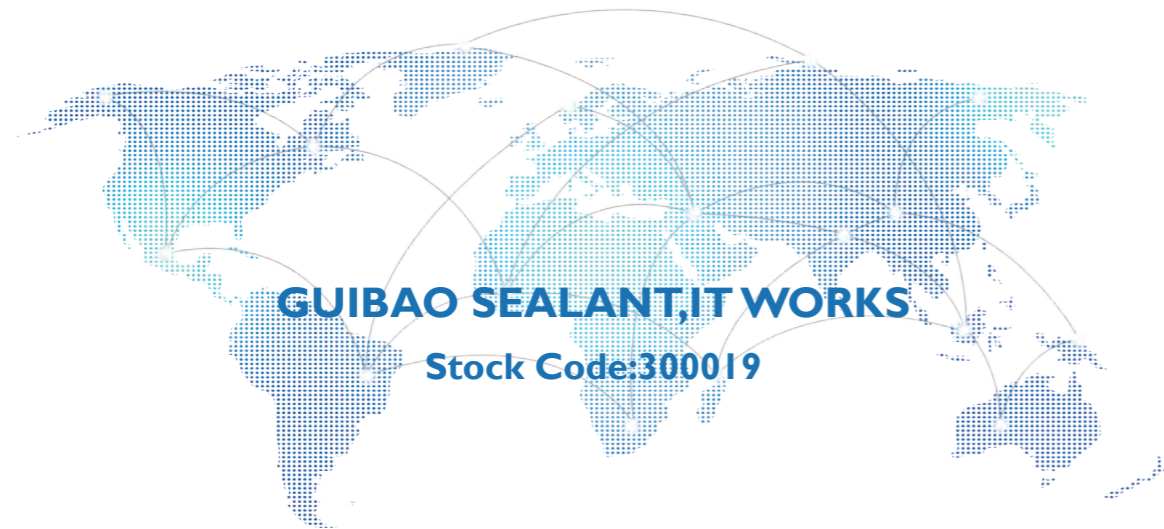


⊕ GUIBAO®

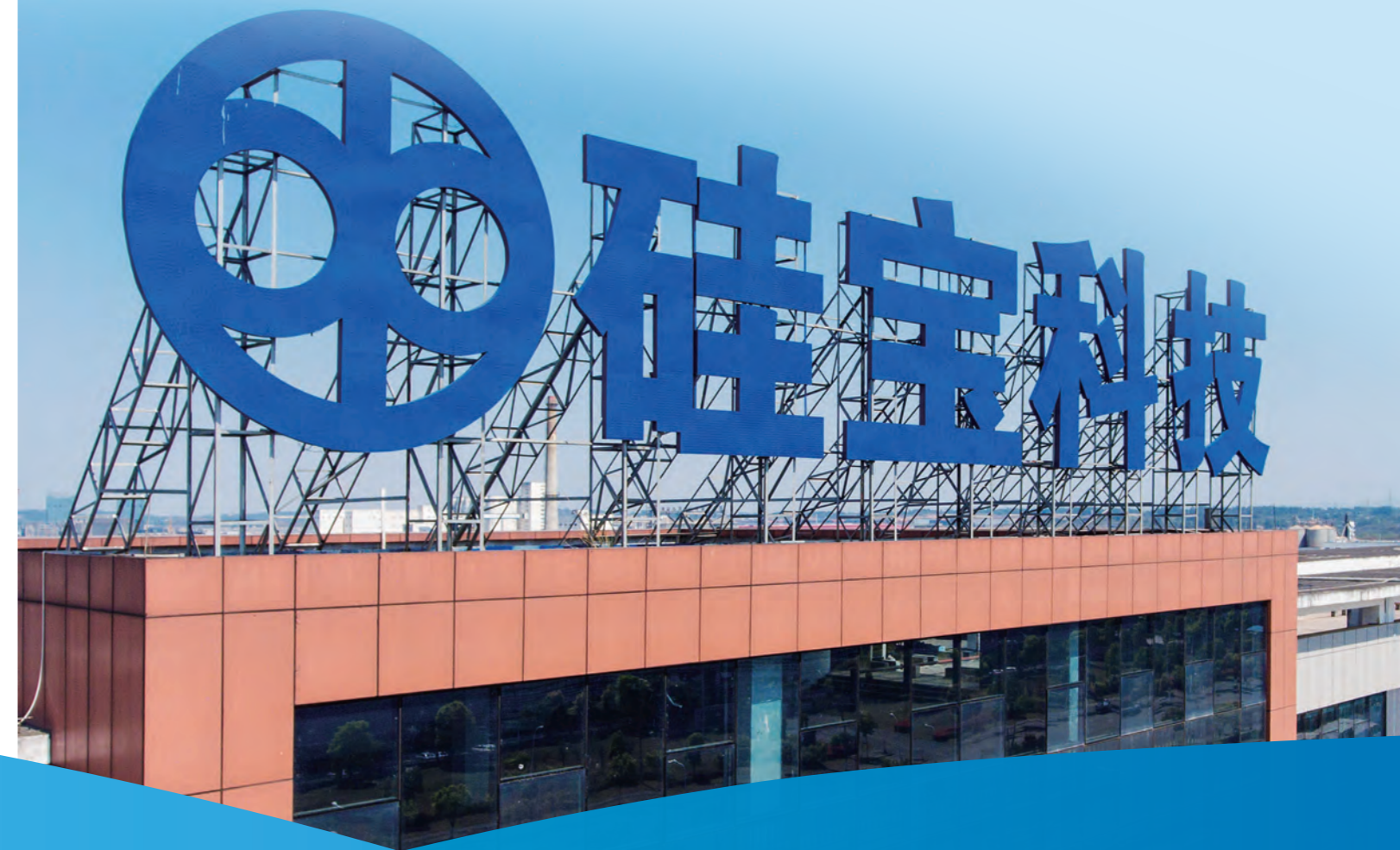
GUIBAO

GUIBAO SEALANT,IT WORKS



GUIBAO SEALANT,IT WORKS

Stock Code:300019



⊕ GUIBAO®

CHENGDU GUIBAO SCIENCE&TECHNOLOGY CO.,LTD.

No.16,Xinyuan Road, Hi-tech Zone, Chengdu 610041, P.R.China.

Tel: + 86 28 85311860 Fax: +86 28 85318066

Website: www.cnguobao.com E-mail: guibao@cnguobao.com

CHENGDU GUIBAO SCIENCE&TECHNOLOGY CO.,LTD.

Our Vision

To be a prestigious global silicone brand

Management Philosophy

Honoring customers' needs

Caring for employees

Responsible for society

Meeting investors' expectations

Operation Principle

Advancing silicone technology

Pursuing excellence in quality

Providing timely and effective service





GUIBAO headquarter production base - Chengdu High-tech zone



GUIBAO new material production base - Chengdu Tianfu new district



Tuoli Technology Longquan production base



Tuoli Technology Meishan Production base



Anhui Guibao production base

Chengdu Guibao Science & Technology Co., Ltd was founded in 1998, which is specialized in the R&D, production and sales of silicone sealant and other new materials. In 2009, it was the first company in China's new materials industry and the first company in Sichuan province to be listed on GEM (stock code: 300019).

"GUIBAO" has been recognized as "China's famous trademark" by the State Administration for Industry and Commerce. Its products are widely used in various fields such as building curtain walls, insulating glass, energy-saving doors & windows, prefabricated buildings, solar photovoltaic industry, electronic appliances, anti-corrosion industry, automobile manufacturing, airport pavement & bridges, rail transit, UHV power transmission and transformation, 5G communication etc. It has 9 wholly-owned subsidiaries, 4 high-tech enterprises, and has built 5 production bases, covering a total area of over 400,000 m², with the production capacity of more than 200,000 tons/year, being China's largest silicone sealant production enterprise.

Being a National Technology Innovation Demonstration Enterprise and a National Green Factory, GUIBAO has R&D centers in Chengdu and Shenzhen, as well as national innovation platforms such as National Enterprise Technology Center, National Prefabricated Building Industry Base, and National Laboratory Accreditation (CNAS) Testing Center. And it has a strong R&D team mainly composed of doctors and masters who are of different age levels, and 4 of them are the members of the National Standards Commission. What's more, Guibao has led and undertaken the national key R&D projects, and has won 2 first prizes of Provincial and Ministerial Science and Technology Progress and 1 Chinese Patent Award. At present, it has obtained a total of more than 254 authorized patents, including 3 American invention patents, 1 Japanese invention patent, and has led/participated in the draft and revision of more than 182 international, national and industrial standards.

The National Green Factory

Leading Enterprise of National Key Research and Development Program

National High-tech Enterprise

The First Listed Enterprise in Silicone Rubber Industry

China's Largest Production Base of High-end Silicone Sealing Materials
Production Capacity: 200,000 Tons Per Year

Enterprise Development History

1998

Foundation

2009

The first listed company in the industry with the stock code of 300019

2012

Recognized as Famous Trademark of China

2014

Being the first company to be accredited by CNAS

2015

First prize of the China Petroleum and Chemical Industry Federation

2016

Approved as National Enterprise Technology Center

2017

Leading company of National R&D Program

2018

The new production base with the annual capacity of 100,000 tons was built

2019

China Patent Award

2020

National Green Factory

1998

2009

2012

2014

2015

2016

2017

2018

2019

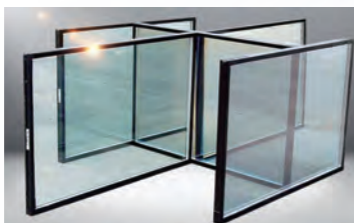
2020

Application Field

Construction



Building Curtain Walls



Insulating Glass



Energy-saving Window&doors



Prefabricated Buildings

New Energy



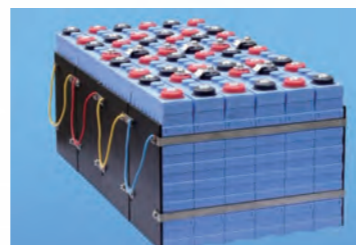
Photovoltaic Solar Energy



Wind Energy

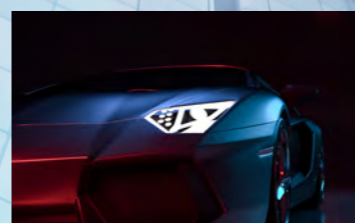


Optothermal



Lithium Battery

Automobile Manufacturing



Auto Lamps



Windshield

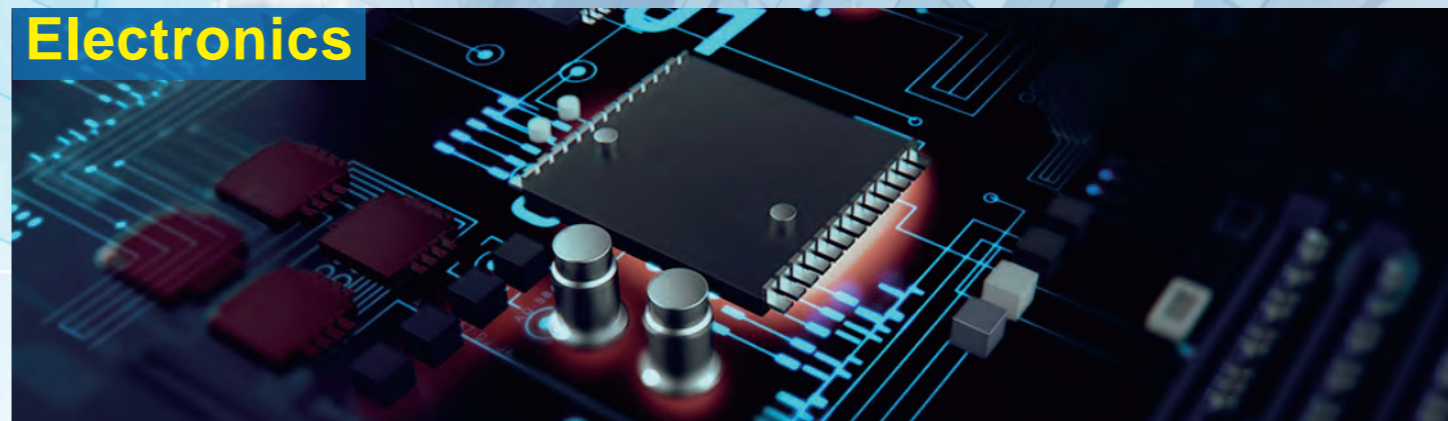


Engine



Rail Transit

Electronics



Consumer Electronics



Mobile Power Pack



5G Communication



Inverter

Electric Power



Uhv Transmission and Transformation



Electric Anti-corrosion



Electric Operation and Maintenance

R&D Ability

Wang Youzhi--Board Chairman



- Professor level senior engineer
- Member of CPPCC of Sichuan province
- Outstanding private entrepreneur in Sichuan province
- Outstanding expert of Sichuan province with outstanding contribution, Sichuan Outstanding Talent Award, Sichuan Model Worker
- Member of National Technical Committee on Curtain Walls and Windows Standardization Administration of China (SAC/TC 448)
- Vice president of China Adhesives and Tape Industry Association (CATIA)
- Vice President of China Industry Anti-corrosion Technology Association
- Member of expert committee of China Association of Fluorine and Silicone Industry (CAFSI), editorial board member of "Organic Silicon Materials"

Li Buchun--President



- Professor level senior engineer
- Vice president of China Architectural & Industrial Glass Association
- Member of the Light Decoration Building Materials Standardization Technical Committee (SAC/TC 195)
- Member of National Technical Committee 185 on Adhesive (SAC/TC 185)
- Committee expert of China Association of Fluorine and Silicone Industry (CAFSI)
- Expert of China Insulating Glass Association
- Expert of China Solar Energy Material Association
- Member of Environmental Conditions and Environmental Experimental Standards Committee for Building Components and Materials

Yuan Sulan--Chief Engineer



- Professor level senior engineer
- Member of National Technical Committee for Standardization of Nanotechnology (SAC/TC 279/SC1)
- Member of National Technical Committee 185 on Adhesive (SAC/TC 185)
- Member of National Technical Committee 381 for Standardization of Anti-corrosion (SAC/TC 381)
- Expert of Energy Conservation and Environmental Protection Branch of China Electricity Council
- Outstanding expert with outstanding contributions in Sichuan province

Wang Tianqiang--Research and Development Manager



- Senior engineer
- Member of Nanomaterials Sub-Technical Committee, National Technical Committee for Standardization of Nanotechnology (SAC/TC 279/SC1)
- Member of ISO/TC 256 "Pigments, dyestuffs and extenders"

> 182 Standards

As the industry leader, GUIBAO led and participated in the establishment of more than 182 industry, national and international standards, promoting the industry standardization development.



> 254 Patents

Since the foundation in 1998, GUIBAO has obtained more than 254 patents. The invention of the technology of Neutral Non-staining Silicone Sealant, Skylight Silicone Sealant, and Fire Resistance Silicone Sealant successfully solved the problems of curtain wall staining, skylight leakage, and overcome common sealant's failure to meet the fire-retardant criteria.

These technologies have not only solved customer's troubles but also led the industry to create significant economical and social benefits.



The Technological Frontier

The Most Advanced Intelligent Production Line in the Industry

GUIBAO developed the most advanced integrated intelligent central control system, thus realized the automatic management of formulation and the monitor of the whole production process, and effectively reduced the negative effects on product quality due to human error or equipment failure, and achieved most reliable guarantee of product quality consistency.



GUIBAO Quality Management System Recognized By National & International Certification

GUIBAO is running in accordance with ISO 9001:2015, ISO14001:2015, ISO5001:2018, IATF16949:2016 and has passed the certification of UL, TUV, SGS, ASTM etc.





The 1st Corporate Laboratory Accredited by China National Accreditation Service for Conformity Assessment(CNAS)

- The most advanced experimental equipments in the industry.
- The most complete testing methods.
- The largest national enterprise technology center by assets.



The Young R&D Team Composed of Doctors and Masters.

Chengdu Guibao Science & Technology Co., Ltd. (hereinafter referred to as the "Technology Center") founded in 2005, was approved by National Laboratory Accreditation (CNAS) in 2014 and certified as the National Enterprise Technology Center in 2016. It mainly covers the basic research, new product development, performance testing, process research and achievement application of organic silicone materials. GUIBAO Technology Center has a laboratory area of about 3000 square meters, more than 300 sets of advanced domestic and foreign R&D instruments and scientific research testing equipments, and it has laboratories for synthesis, mechanical properties, environmental experiments, infrared and electrical properties, constant temperature and humidity testing, chromatographic analysis and so on. The Technology Center has a strong R&D team which is mainly composed of 8 doctors and 50 masters with the board chairman as the technical leader. There are 155 full-time R&D personnel and nearly 70 technical personnel with senior professional titles. At the same time, it has invited academician Wang Qi, Huang Wenrun, Zhang Liqun, Xu Jian and other famous professors as the advisory team. Long-term cooperations with Sichuan University, Beijing University of Chemical Technology, University of Electronic Science and Technology of China, Lanzhou University, Chengdu Institute of Organic Sciences of Chinese Academy of Sciences and other well-known universities and institutes have been established to achieve collaborative innovation.



Technical Center

Most Advanced Testing Machines

Most Complete Testing Items

Most Systematic Testing Methods

Static and Dynamic Fatigue Testing Machine ▶



Mechanical Property Testing Lab ▲

Electrical Property Testing Room ▶
Aging Testing Room ▼



Enterprise Honors

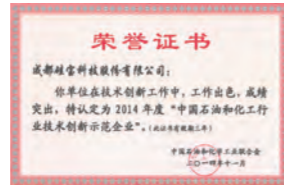
GUIBAO Technology is the leading company in the industry with the largest number of national and provincial awards.



National Technological Innovation Demonstration Enterprise



National High-tech Enterprise



Technology Innovation Demonstration Enterprise of The Petroleum and Chemical Industry in China



First Prize of Provincial Science and Technology Progress



International Quality, Environment, Health and Safety System Certification



China Patent Award



Guibao has been awarded with various science and technology progress awards by government and association



The first enterprise in the industry to be certified as Green Building Product



GUIBAO undertakes a number of national key projects



National Green Factory



Excellent Charity Enterprise



The most socially responsible enterprise



Great taxpayer for 14 consecutive years



It has been awarded the Excellent Private Enterprise of Sichuan Province for three consecutive years

GUIBAO People

GUIBAO encourages employees in innovation, accountability, teamwork cooperation and dedication to work. Guibao offers fair opportunities for employment and professional training, promotes employees' personal growth and development.

Rich and colorful cultural and sports activities -- happy work, happy life



Growth platform -- team building



Leading Care

Care and Recognition from Government

GUIBAO's development and contribution to this industry and society got the recognition of government, and encourages GUIBAO to do better.



On July 14, 2012, Wen Jiabao, member of the Standing Committee of the Political Bureau of the CPC Central Committee and premier of The State Council, had a face-to-face discussion with Wang Youzhi, chairman of GUIBAO, to learn about the development of private technology enterprises during his investigation in Chengdu, Sichuan province.



On April 13, 2019, Xu Lejiang, vice minister of the United Front Work Department of the CPC Central Committee, secretary of the Party Group and vice chairman of the Party Affairs of All-China Federation of Industry and Commerce, visited GUIBAO for investigation.



On July 12, 2012, Chen Xiangqun (middle), member of the Organization Department of the CPC Central Committee and director of the Second Organization Bureau, inspected the party-building work of GUIBAO.

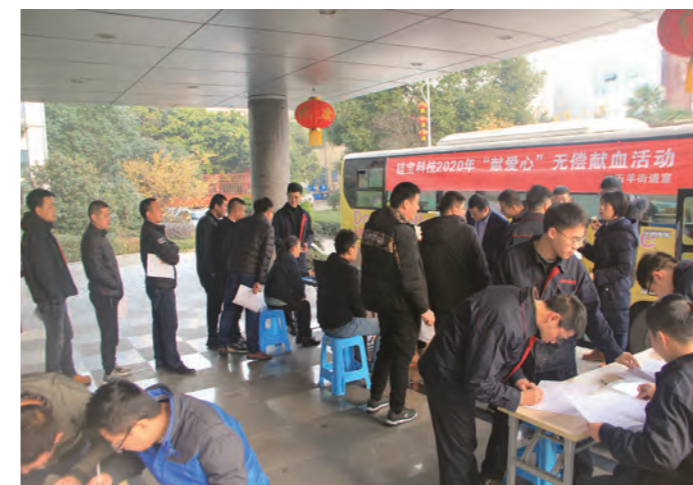
Social Responsibility and Care

Caring about society, GUIBAO people have always been taking actions

Enterprise citizenship is both a responsibility and a mission



GUIBAO is the only company in the industry that has issued the social responsibility reports for seven consecutive years.



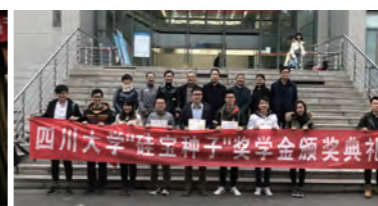
Voluntary blood donation for 16 consecutive years



Donate to earthquake stricken areas



Care about education



GUIBAO in China

9 subsidiaries and 4 branches in China



- GBXF Silicones Co., Ltd.
- Guibao Shenzhen R&D Center
- Guibao Equity Investment and Fund Management Co., Ltd.
- Chengdu Guibao New Material Co., Ltd.
- Chengdu Guibao HBS Sealing Materials Co., Ltd.
- Chengdu Greater Automatic Equipment Co., Ltd.
- Chengdu Guibao Anti-corrosion Science & Technology Co., Ltd.
- Chengdu TALY Technology Co., Ltd.
- Guibao Science&Technology(Meishan)New Nenergy Co.,Ltd.
- Southwest Branch
- Beijing Branch
- Shanghai Branch
- Shenzhen Branch

GUIBAO in the World



- Mongolia
- Saudi Arabia
- Thailand
- Cambodia
- Philippines
- New Zealand
- Indonesia
- Singapore
- Australia
- Tanzania
- Turkey
- Vietnam
- Malaysia
- Bangladesh
- Iran
- India
- Mexico
- Korea



GUIBAO Strategic Customers

GUIBAO is always committed to providing qualified products, services and solutions to bring the best mutual benefits. GUIBAO has built up strategic cooperation with many local first-class companies as well as multinationals.

Partners in building curtain wall industry



Partners in insulating glass industry



Partners in doors and windows industry



Partners in automotive industry



Partners in electric anti-corrosion industry



Partners in electronic and electrical industry



Partners in solar pv industry



Classic Project Cases

Project : Beijing Daxing International Airport

Architect: ADP Ingenierie & Zaha Hadid

Area: 160,000 m²

Product: GUIBAO 999 SILICONE STRUCTURAL GLAZING SEALANT

GUIBAO 998 SILICONE WEATHERPROOFING SEALANT

GUIBAO DJ-A3-119 FIRE RESISTANCE SILICONE SEALANT





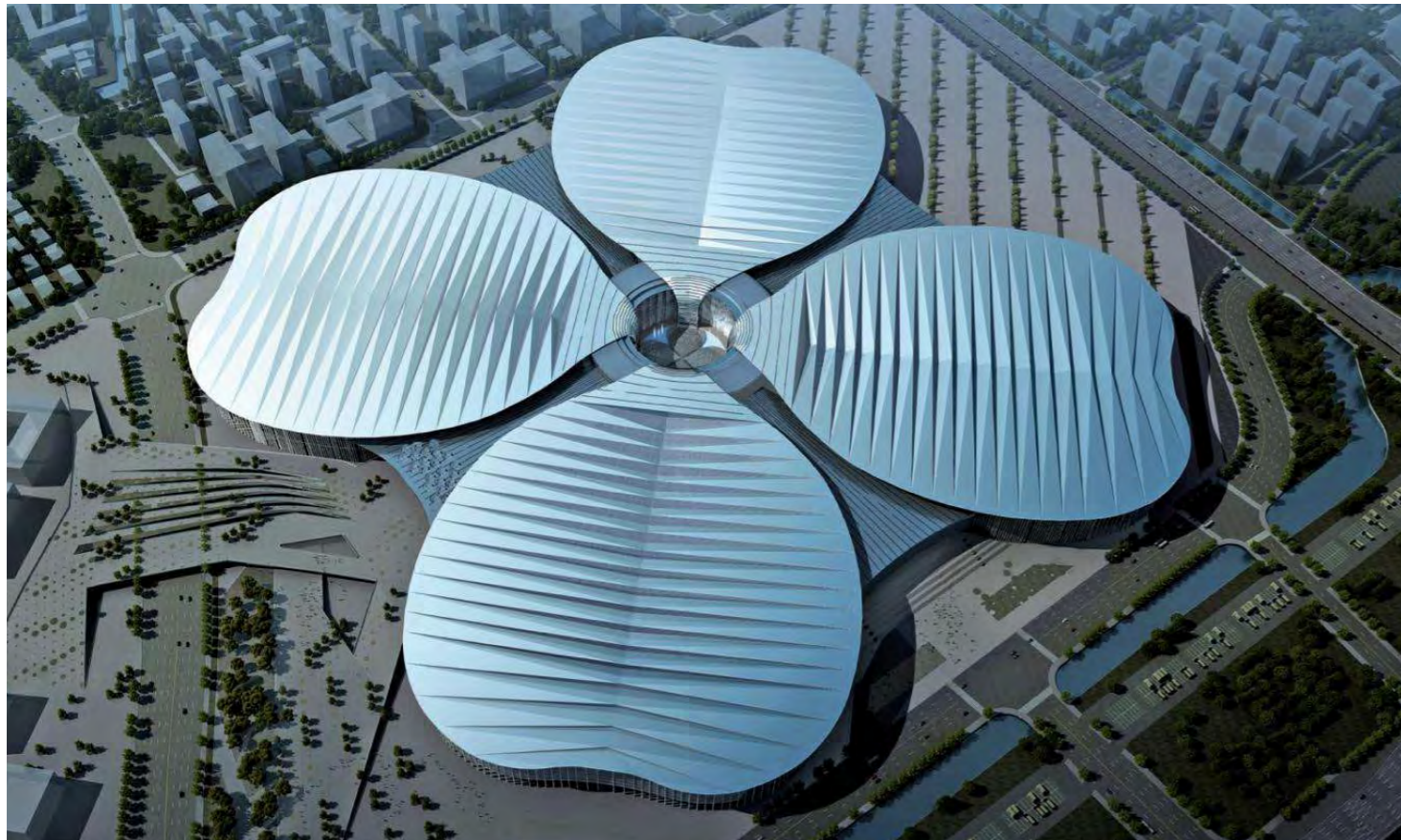
Project: New Century Global Business Center-The largest single curtain wall building in the world

Architect: Zaha Hadid (Great Britain)

Area: 500,000 m²

Location: Chengdu, China

Product: GUIBAO 992 SILICONE STRUCTURAL GLAZING SEALANT
GUIBAO 993 SILICONE SEALANT FOR SKYLIGHT
GUIBAO 998 SILICONE WEATHERPROOFING SEALANT
GUIBAO 999 SILICONE STRUCTURAL GLAZING SEALANT



Project : Shenzhen World Exhibition & Convention Center(Shenzhen)

Area: 500,000 m²

Product: GUIBAO 992 SILICONE STRUCTURAL GLAZING SEALANT

GUIBAO 998 SILICONE WEATHERPROOFING SEALANT

GUIBAO 1098 HIGH PERFORMANCE SILICONE WEATHERPROOFING SEALANT

Project : National Exhibition and Convention Center(Shanghai)

Area: 170,000 m²

Product: GUIBAO 999 SILICONE STRUCTURAL GLAZING SEALANT

GUIBAO 998 SILICONE WEATHERPROOFING SEALANT

GUIBAO DJ-A3-119 FIRE RESISTANCE SILICONE SEALANT

GUIBAO 992 SILICONE STRUCTURAL GLAZING SEALANT





Project: Sanya Phoenix Island

Area: 210,000 m²

Product: GUIBAO 992 SILICONE STRUCTURAL GLAZING SEALANT

GUIBAO 998 SILICONE WEATHERPROOFING SEALANT



Project : Hanyu Gold Valley(CBD)

Area: 700,000 m²

Location: Jinan, China

Product: GUIBAO 998 SILICONE WEATHERPROOFING SEALANT



Project: National Stadium-Bird's Nest

Architect: Jacque Sherzog, Switzerland

Product: GUIBAO DJ-A3-119 FIRE RESISTANCE SILICONE SEALANT



Project : The Gate of Orient

Architect: RMJM (Great Britain)

Area: 100,000 m²

Location: Suzhou, China

Height: 300m

Product: GUIBAO 1098 HIGH PERFORMANCE SILICONE WEATHERPROOFING SEALANT

GUIBAO 1092 HIGH PERFORMANCE SILICONE STRUCTURAL GLAZING SEALANT

Project: KLCC Sky Suites

Area: 80,000 m²

Location: Kuala Lumpur, Malaysia

Product: GUIBAO 999 SILICONE STRUCTURAL GLAZING SEALANT

GUIBAO 998 SILICONE WEATHERPROOFING SEALANT



Project: Delta-Height Building

Area: 25,000 m²

Location: Kuala Lumpur, Malaysia

Product: GUIBAO 998 SILICONE WEATHERPROOFING SEALANT



Project: Pegasus Suite

Area: 13,000 m²

Location: Melbourne, Australia

Product: GUIBAO 998 SILICONE WEATHERPROOFING SEALANT



Project: Tanzania Millenmuin Building

Area: 20,000 m²

Product: GUIBAO 998 SILICONE WEATHERPROOFING SEALANT

GUIBAO 992 SILICONE STRUCTURAL GLAZING SEALANT





Project: Mashad Financial Building, Iran

Area: 6,500 m²

Product: GUIBAO 882 SILICONE INSULATING GLASS SEALANT

Project: Kouros Complex, Iran

Area: 12,000 m²

Product: GUIBAO 882 SILICONE INSULATING GLASS SEALANT
 GUIBAO 1098 HIGH PERFORMANCE SILICONE WEATHERPROOFING SEALANT
 GUIBAO 997 SILICONE SEALANT FOR STONE APPLICATION



Project: Mashad Saman Towei, Iran

Area: 5,000 m²

Product: GUIBAO 999 SILICONE STRUCTURAL GLAZING SEALANT
 GUIBAO 998 SILICONE WEATHERPROOFING SEALANT



Project: The TATA Promont, India

Product: GUIBAO 998 SILICONE WEATHERPROOFING SEALANT



Project: Woxsen School of Business, India

Product: GUIBAO 999 SILICONE STRUCTURAL GLAZING SEALANT
 GUIBAO 998 SILICONE WEATHERPROOFING SEALANT





Project: Kings Domain Apartment

Area: 10,082 m²
 Location: Melbourne, Australia
 Product: GUIBAO 992 SILICONE STRUCTURAL GLAZING SEALANT

Project: Dux-Richmond Hill

Area: 4,687 m²
 Location: Melbourne, Australia
 Product: GUIBAO 999 SILICONE STRUCTURAL GLAZING SEALANT



Project: DAMOSA LAND

Area: 8,000 m²
 Location: Davao, Philippines
 Product: GUIBAO 992 SILICONE STRUCTURAL GLAZING SEALANT
 GUIBAO 998 SILICONE WEATHERPROOFING SEALANT



Project: Chon Buri Office Building

Area: 3,800 m²
 Location: Chonburi, Thailand
 Product: GUIBAO 992 SILICONE STRUCTURAL GLAZING SEALANT





Project: GSA Elizabeth Apartment
 Area: 3,960 m²
 Location: Melbourne, Australia
 Product : GUIBAO 992 SILICONE STRUCTURAL GLAZING SEALANT
 GUIBAO 998 SILICONE WEATHERPROOFING SEALANT



Project: Grand Jati Junction
 Location: Jakarta, Indonesia
 Product : GUIBAO 998 SILICONE WEATHERPROOFING SEALANT



Project: NSI HEAD QUARTER
 Area: 6,500 m²
 Location: Dhaka, Bangladesh
 Product : GUIBAO 557 NEUTRAL SILICONE SEALANT FOR WINDOW AND DOOR
 GUIBAO 998 SILICONE WEATHERPROOFING SEALANT



Project: Gateway Mall and Hotel
 Area: 8,500 m²
 Location: Manila, Philippines
 Product : GUIBAO 992 SILICONE STRUCTURAL GLAZING SEALANT
 GUIBAO 998 SILICONE WEATHERPROOFING SEALANT

CONTENTS

GUIBAO Architectural Sealant

Curtain Wall Sealant

GUIBAO 1092 HIGH PERFORMANCE SILICONE STRUCTURAL GLAZING SEALANT	51
GUIBAO 1099 HIGH PERFORMANCE SILICONE STRUCTURAL GLAZING SEALANT	53
GUIBAO 992 SILICONE STRUCTURAL GLAZING SEALANT	55
GUIBAO 999 SILICONE STRUCTURAL GLAZING SEALANT	57
GUIBAO 1098 HIGH PERFORMANCE SILICONE WEATHERPROOFING SEALANT	59
GUIBAO 998 SILICONE WEATHERPROOFING SEALANT	61
GUIBAO 997 SILICONE SEALANT FOR STONE APPLICATION	63
GUIBAO 996 NEUTRAL SILICONE SEALANT	65
GUIBAO 995 SILICONE SEALANT FOR TOTAL VISION SYSTEM	67
GUIBAO 993 SILICONE SEALANT FOR SKYLIGHT	69
GUIBAO DJ-A3-119 FIRE RESISTANCE SILICONE SEALANT	71
GUIBAO SILICONE GASKET	73

Insulating Glass Sealant

GUIBAO 882 SILICONE INSULATING GLASS SEALANT	75
GUIBAO 886 SILICONE STRUCTURAL INSULATING GLASS SEALANT	77
GUIBAO DJ 310 HOTMELT BUTYL SEALANT	79

Pavement Sealant

GUIBAO 668 SILICONE SEALANT FOR CONCRETE JOINTS	81
---	----



GUIBAO 1092

HIGH PERFORMANCE SILICONE STRUCTURAL GLAZING SEALANT

High performance silicone sealant special for structural glazing in high-rise or skyscraper curtain walling

FEATURES

- Two-part , neutral cure to form an extremely tough elastomeric rubber ensuring a durable, flexible, and watertight bond
- High level of mechanical properties , high tensile strength and extension rate
- Excellent weatherability and high resistance to ultra-violet radiation ,heat and humidity, and ozone
- Excellent stability over temperature range from -50°C to +150°C
- Excellent unprimed adhesion to a wide range of substrates
- Good compatibility with other neutral silicone sealants

BASIC USES

GUIBAO 1092 HIGH PERFORMANCE SILICONE STRUCTURAL GLAZING SEALANT is designed for

- Structural sealing and glazing of the curtain wall of high-rise buildings or skyscrapers
- Structural sealing and glazing in large-sized glass panel curtain walls

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump	mm	≤3	0
GB/T 13477 (ASTM D 2377)	Tack free time	h	≤3	1.0
GB/T 13477(ISO8394-2)	Working time (after 20 min.)	s	≤10	2.4
GB/T 531.1 (ISO 7619)	Hardness	Shore A	30~60	40
GB 16776 (ASTM C 792)	Heat Aging			
	weight loss	%	≤10	3.3
	cracking		Nil	Nil
	chalking		Nil	Nil
GB/T 13477 (ISO 8339)	Tensile strength	MPa		
	at 23 °C		≥0.6	1.35
	at 90 °C		≥ 0.45	1.01
	at -30 °C		≥ 0.45	1.85
	after water immersion		≥ 0.45	1.21
	after water-UV exposure		≥ 0.45	1.18
	Adhesion failure	%	≤ 5.0	0
Elongation at ultimate tensile strength at 23 °C	%	≥ 100	201	

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

Part A(base) of GUIBAO 1092 is available in white
Part B(curing agent) in black. Black colour after mixing.

PACKAGING

GUIBAO 1092 is available in kit:
Part A in 200L drums (net 190L), part B in 20L pails (net 19L).

SPECIFICATIONS

- GUIBAO 1092 is designed to meet or even exceed the requirements of
- Chinese national specification [GB16776-2005](#) Silicone Sealant for Structural Glazing
 - Complies with [ASTM C 1184-18](#)

STORAGE AND SHELF LIFE

GUIBAO 1092 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

- GUIBAO 1092 should not be applied:
- To the materials that bleed oils, plasticizers or solvents, such as impregnated wood, oil-based caulks
 - In totally confined spaces as sealant requires atmospheric moisture for cure
 - To frost laden or damp surfaces
 - For continuous water immersion
 - When substrate surface temperature below 4 °C or over 50 °C

HOW TO USE

Surface Preparation

Clean all joints, removing all foreign matter and contaminants such as oil, grease, dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

Mixing and Dispensing

To obtain the optimal performance of GUIBAO 1092, it is recommended that the base and curing agent should be thoroughly mixed using an airless two-part silicone dispensing machine.

GUIBAO 1092 should be mixed at a ratio of 9:1 ~ 11:1 base to curing agent by volume or 13:1 ~ 15:1 base to curing agent by weight.

Lot matching of GUIBAO 1092 base to curing agent is not required. Before use, To fully stirred curing agent is recommended to ensure the homogeneity of all components. GUIBAO 1092 part B curing agent will react with atmospheric moisture, therefore should not be exposed to air for prolonged periods of time.

Priming

Priming is not usually required when using GUIBAO 1092. But it is essential that adhesion is tested prior to use to decide whether to use primer or not.

Masking and Tooling

Areas adjacent to joints may be masked to ensure a neat sealant line. Do not allow mask tape to touch clean surfaces to which the silicone sealant is to adhere. Tooling should be completed in one continuous stroke after sealant application. Masking tape should be removed immediately after tooling.

Equipment Cleaning

When not being used, it is recommended that the dispensing equipment be purged either with the base component or flush with suitable solvent.

SAFETY INFORMATION

- GUIBAO 1092 is a chemical product, not edible, Implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work and curing places.

TECHNICAL SERVICES

Complete technical information and literature, adhesion testing and compatibility testing are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for intended specific uses.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No.16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
P.R.CHINA
Tel: +86 28 8531 1860
Fax: +86 28 8531 8066
E-mail: guibao@cnguibao.com
www.cnguibao.com



GUIBAO 1099

HIGH PERFORMANCE SILICONE STRUCTURAL GLAZING SEALANT

High performance silicone sealant special for structural glazing in high-rise or skyscraper curtain walling

FEATURES

- One-part excellent tensile strength and extension/compression capability, ideally suited for high rise curtain walls and skyscrapers, glass and aluminum curtain walls, steel structure curtain walls, etc.
- Neutral cure, non-corrosive to the surfaces to be bonded
- Excellent weatherability
- Excellent stability over temperature range from -50 C to +150 C
- Excellent unprimed adhesion to a wide range of substrates
- Good compatibility with other neutral silicone sealants

BASIC USES

GUIBAO 1099 HIGH PERFORMANCE SILICONE STRUCTURAL GLAZING SEALANT is designed for

- Structural sealing and glazing for the curtain walls of high-rise buildings and skyscrapers
- Structural sealing and glazing of large-sized glass panel curtain walls
- Structural sealing and glazing irregular glass curtain walls

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump	mm	≤3	0
GB/T 13477 (ISO 7390)	Extrusion rate	s	≤3	4.2
GB/T 13477 (ASTM D 2377)	Tack free time	h	≤10	0.3
GB/T 531.1 (ISO 7619)	Hardness	Shore A	30~60	47
GB 16776 (ASTM C 792)	Heat Aging			
	weight loss	%	≤10	3.2
	cracking		Nil	Nil
GB/T 13477 (ISO 8339)	chalking		Nil	Nil
	Tensile strength	MPa		
	23 C		≥0.6	1.36
	90 C		≥0.45	0.95
	-30 C		≥0.45	1.99
	after water immersion		≥0.45	1.42
	after water-UV exposure		≥0.45	1.23
	Adhesion failure	%	≤5.0	0
	Elongation at ultimate tensile strength at 23 C	%	≥100	286

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

GUIBAO 1099 is available in black, gray, white or other customized colours.

PACKAGING

GUIBAO 1099 is available in disposable sausages (net 590ml), 20 pieces to a carton.

SPECIFICATIONS

GUIBAO 1099 is designed to meet or even exceed the requirements of

- Chinese national specification [GB16776-2005](#) Silicone Sealant for Structural Glazing
- Complies with [ASTM C 1184-18](#)

STORAGE AND SHELF LIFE

GUIBAO 1099 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

GUIBAO 1099 should not be applied:

- To the materials that bleed oils, plasticizers or solvents, such as impregnated wood, oil-based caulks
- In totally confined spaces as sealant requires atmospheric moisture for cure
- To frost laden or damp surfaces
- For continuous water immersion
- When surface temperature below 4 C or over 50 C

HOW TO USE

Surface Preparation

Clean all joints, removing all foreign matter and contaminants such as oil, grease, dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

Application Method

Install back-up materials or joint fillers, setting blocks, spacer shims, and tapes. Mask areas adjacent to joints to ensure neat sealant lines. Primer is generally not required for non-porous surfaces, but may be necessary for optimal seal performance of certain porous surfaces. So adhesion test is always recommended.

Apply GUIBAO 1099 in a continuous operation using dispensing guns. Before a skin forms, tool the sealant with light pressure to spread the sealant against the backing materials and joint surfaces. Remove masking tape as soon as the bead is tooled.

SAFETY INFORMATION

- GUIBAO 1099 is a chemical product, not edible, Implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work and curing places.

TECHNICAL SERVICES

Complete technical information and literature, adhesion testing and compatibility testing are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for intended specific uses.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No.16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
P.R.CHINA
Tel: +86 28 8531 1860
Fax: +86 28 8531 8066
E-mail: guibao@cnguibao.com
www.cnguibao.com



GUIBAO 992

SILICONE STRUCTURAL GLAZING SEALANT

Two-part silicone sealant specially designed for structural glazing

FEATURES

- Two-part, neutral cure to form an extremely tough elastomeric rubber ensuring a durable, flexible, and watertight bond
- Non-corrosive to metals, coated glass, low-E glass and many other substrates
- Excellent weatherability and high resistance to UV radiation, heat and humidity, and ozone
- Excellent stability through wide temperature range from -50 °C to +150 °C
- High level of mechanical properties
- Good compatibility with other neutral silicone sealants

BASIC USES

GUIBAO 992 SILICONE STRUCTURAL GLAZING SEALANT is designed for

- Structural bonding and glazing applications for glass curtain walls, aluminium curtain walls, terracotta curtain walls and metal structures
- Structural secondary seal of insulating glass
- Other construction structural glazing applications

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump	mm	≤3	0
GB/T 13477 (ASTM D 2377)	Tack free time	h	≤3	0.8
GB/T 13477	Working time(after 20 min.)	s	≤10	2.2
GB/T 531.1 (ISO 7619)	Hardness	Shore A	20~60	43
GB 16776 (ASTM C 792)	Heat Aging			
	weight loss	%	≤10	3.5
	cracking		Nil	Nil
	chalking		Nil	Nil
GB/T 13477 (ISO 8339)	Tensile strength	MPa		
	at 23 °C		≥0.60	1.13
	at 90 °C		≥0.45	1.02
	at -30 °C		≥0.45	1.3
	after water immersion		≥0.45	1.01
	after water-UV exposure		≥0.45	1.09
	Adhesion failure	%	≤5.00	0
	Elongation at ultimate tensile strength at 23 °C	%	≥100	140

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

Part A (base) of GUIBAO 992 is available in white, Part B (curing agent) in black; Black colour after mixing.

PACKAGING

GUIBAO 992 is available in kit: part A in 200L drums (net 190L), part B in 20L pails (net 19L).

SPECIFICATIONS

GUIBAO 992 is designed to meet or even exceed the requirements of

- Chinese national specification [GB16776-2005](#) Silicone Sealant for Structural Glazing
- Complies with [ASTM C 1184-18](#)

STORAGE AND SHELF LIFE

GUIBAO 992 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

GUIBAO 992 should not be applied:

- To the materials that bleed oils, plasticizers or solvents, such as impregnated wood, oil-based caulks
- In totally confined spaces as sealant requires atmospheric moisture for cure
- To frost laden or damp surfaces
- For continuous water immersion
- When surface temperature below 4 °C or over 50 °C

HOW TO USE

Surface Preparation

Clean all joints, removing all foreign matter and contaminants such as oil, grease, dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

Mixing and Dispensing

To obtain the optimal performance of GUIBAO 992, Using an airless two-part silicone dispensing machine to thoroughly mix the base and curing agent is recommended.

GUIBAO 992 should be mixed at a ratio of 9:1 ~ 11:1 base to curing agent by volume or 13:1 ~ 15:1 base to curing agent by weight.

Lot matching of GUIBAO 992 base to curing agent is not required. Before use, it is recommended that curing agent be fully stirred to ensure the homogeneity of all components.

GUIBAO 992 part B curing agent will react with atmospheric moisture, therefore should not be exposed to air for prolonged periods of time.

Priming

Priming is not usually required when using GUIBAO 992. But it is essential that adhesion is tested prior to use to decide whether to use primer or not.

Masking and Tooling

Areas adjacent to joint may be masked to ensure a neat sealant line. Do not allow mask tape to touch clean surfaces to which the silicone sealant is to adhere. Tooling should be completed in one continuous stroke after sealant application. Masking tape should be removed immediately after tooling.

Equipment Cleaning

When not being used, it is recommended that the dispensing equipment be purged either with the base component or flush with suitable solvent.

SAFETY INFORMATION

- GUIBAO 992 is a chemical product, not edible, Implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation needed for work and curing places.

TECHNICAL SERVICES

Complete technical information and literature, adhesion testing and compatibility testing are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for intended specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No. 16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
P.R. CHINA
Tel: +86 28 8531 1860
Fax: +86 28 8531 8066
E-mail: guibao@cnguibao.com
www.cnguibao.com



GUIBAO 999

SILICONE STRUCTURAL GLAZING SEALANT

High tensile strength sealant ideally suited for structural bonding and glazing applications

FEATURES

- One-part, neutral cure to form an extremely tough elastomeric rubber ensuring a durable, flexible, and watertight bond
- Non-corrosive to glass, metal etc.
- Excellent weatherability and high resistance to ultra-violet radiation, heat and humidity, and ozone
- Excellent resistance to temperature extremes, unaffected performance from -50 °C to +150 °C
- Excellent unprimed adhesion to wide range of substrates
- Good compatibility with other neutral silicone sealants

BASIC USES

GUIBAO 999 SILICONE STRUCTURAL GLAZING SEALANT is designed for

- Structural bonding and glazing applications for glass curtain walls, aluminum curtain walls, terracotta curtain walls and metal structures
- Other construction structural glazing applications

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump	mm	≤3	0
GB/T 13477 (ISO 8394)	Extrusion rate	s	≤10	1.6
GB/T 13477 (ASTM D 2377)	Tack free time	h	≤3	1.0
GB/T 531.1 (ISO 7619)	Hardness	Shore A	20~60	49
GB 16776 (ASTM C 792)	Heat Aging			
	weight loss	%	≤10	3.6
	cracking		Nil	Nil
GB/T 13477 (ISO 8339)	chalking		Nil	Nil
	Tensile strength	MPa		
	at 23 °C		≥0.60	1.08
	at 90 °C		≥0.45	0.90
	at -30 °C		≥0.45	1.3
	after water immersion		≥0.45	1.12
	after water-UV exposure		≥0.45	1.03
	Adhesion failure	%	≤5.00	0
	Elongation at ultimate tensile strength at 23 °C	%	≥100	220

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

- GUIBAO 999 is available in black, gray, and white.

PACKAGING

- GUIBAO 999 is available in disposable cartridges (net 300ml), 24 pieces to a carton and sausages (net 590ml), 20 pieces to a carton.

SPECIFICATIONS

GUIBAO 999 is designed to meet or even exceed the requirements of

- Chinese national specification [GB16776-2005](#) Silicone Sealant for Structural Glazing
- Complies with [ASTM C 1184-18](#)

STORAGE AND SHELF LIFE

GUIBAO 999 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

GUIBAO 999 should not be applied:

- To the materials that bleed oils, plasticizers or solvents, such as impregnated wood, oil-based caulks
- In totally confined spaces as sealant requires atmospheric moisture for cure
- To frost laden or damp surfaces
- For continuous water immersion
- When substrate surface temperature below 4 °C or over 50 °C

HOW TO USE

Surface Preparation

Clean all joints removing all foreign matter and contaminants such as oil, grease, dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

Application Method

Install back-up materials or joint fillers, setting blocks, spacer shims, and tapes. Mask areas adjacent to joints to ensure neat sealant lines. Primer is generally not required for non-porous surfaces, but may be necessary for optimal seal performance of certain porous surfaces. So adhesion test is always recommended.

Apply GUIBAO 999 in a continuous operation using dispensing guns. Before a skin forms, tool the sealant with light pressure to spread the sealant against the backing materials and joint surfaces. Remove masking tape as soon as the bead is tooled.

SAFETY INFORMATION

- GUIBAO 999 is a chemical product, not edible, Implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work and curing places.

TECHNICAL SERVICES

Complete technical information and literature, adhesion testing and compatibility testing are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No.16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
P.R.CHINA

Tel: +86 28 8531 1860

Fax: +86 28 8531 8066

E-mail: guibao@cnguibao.com

www.cnguibao.com



GUIBAO 1098

HIGH PERFORMANCE SILICONE WEATHERPROOFING SEALANT

High performance neutral silicone sealant with excellent weatherability, ideally suited for movement joints of the high rise curtain walls and skyscrapers

FEATURES

- One-part , excellent weatherability,unaffected by sunlight, rain, snow and ozone
- Neutral cure – suitable for use on metals, coated glass, aluminium panels, terracotta panels, concrete materials, galvanized steel and many other substrates.
- Excellent tensile strength and +100/-50 movement capability
- Excellent resistance to temperature extremes, stable and flexible over the temperature from -50 °C to +150 °C
- Excellent unprimed adhesion to a wide variety of construction materials and building components
- Easy of application-ready to use as supplied
- Good compatibility with other neutral silicone sealants

BASIC USES

GUIBAO 1098 HIGH PERFORMANCE SILICONE WEATHERPROOFING SEALANT is specially designed for

- Weather seal for the high-rise curtain walls and skyscrapers
- Weather seal for the large-sized metal and glass panel curtain walls, spider systems
- Weather seal of other construction joints with high movement or with high safety requirement

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result	
GB/T 13477 (ISO 7390)	Slump	mm	≤3	0	
GB/T 13477 (ISO 8394)	Extrusion rate	ml/min.	≥80	696	
GB/T 13477 (ASTM D2377)	Tack free time	h	≤3	1.5	
GB/T 13477 (ISO7389)	Extension recovery	%	≥70	89	
GB/T 13477 (ISO 8339)	Modulus at	MPa	at 23 °C	>0.4 or	0.8
			at -20 °C	>0.6	/
GB 16776 (ASTM C 792)	Heat aging				
	Weight loss	%	≤10	4.1	
	Chalking		Nil	Nil	
	Cracking		Nil	Nil	
GB/T 13477	Adhesion at fixed stretch		No failure	No failure	
GB/T 13477	Adhesion after heat contract and cold extension		No failure	No failure	
GB/T 13477	Adhesion after UV-water exposure		No failure	No failure	

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

GUIBAO 1098 is available in black, gray, white and other customized colours.

PACKAGING

GUIBAO 1098 is available in disposable cartridges (net 300ml),24 pieces to a carton and sausages (net 590ml),20 pieces to a carton.

SPECIFICATIONS

GUIBAO 1098 is designed to meet or even exceed the requirements of

- Chinese national specification [GB/T 22083-G/F-100/50](#)
- Complies with [ASTM C 920 100/50](#)

STORAGE AND SHELF LIFE

GUIBAO 1098 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

GUIBAO 1098 should not be applied:

- To the materials that bleed oils, plasticizers or solvents, such as impregnated wood, oil-based caulks
- In totally confined spaces as sealant requires atmospheric moisture for cure
- To frost laden or damp surfaces
- For continuous water immersion
- When surface temperature below 4 °C or over 50 °C
- To porous substrates such as stone, concrete before the confirmation of manufacturer

HOW TO USE

Surface Preparation

Clean all joints removing all foreign matter and contaminants such as oil, grease dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

Application Method

Install back-up materials or joint fillers. Mask areas adjacent to joints to ensure neat sealant lines. Primer is generally not required for non-porous surfaces, but may be necessary for optimal seal performance of certain porous surfaces. So adhesion test is always recommended.

Apply GUIBAO 1098 in a continuous operation using dispensing guns. Before a skin forms, tool the sealant with light pressure to spread the sealant against the backing materials and joint surfaces. Remove masking tape as soon as the bead is tooled.

SAFETY INFORMATION

- GUIBAO 1098 is a chemical product, not edible,Implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work and curing places.

TECHNICAL SERVICES

Complete technical information and literature, adhesion testing and compatibility testing are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for intended specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No.16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
P.R.CHINA
Tel: +86 28 8531 1860
Fax: +86 28 8531 8066
E-mail:guibao@cnguibao.com
www.cnguibao.com



GUIBAO 998

SILICONE WEATHERPROOFING SEALANT

One-part, neutral cure silicone sealant with excellent weatherability, ideally suited for movement joints seal

FEATURES

- Excellent weatherability, virtually unaffected by sunlight, rain, snow and ozone
- Neutral cure – suitable for use on metals, coated glass, aluminum panels, terracotta panels, concrete materials, galvanized steel and many other substrates.
- Extension/compression movement capability of up to ±35% of the original joint width
- Excellent resistance to temperature extremes, stable and flexible over the temperature range from -50 °C to +150 °C
- Excellent unprimed adhesion to a wide variety of building materials
- Easy of application-ready to use as supplied
- Good compatibility with other neutral silicone sealants

BASIC USES

GUIBAO 998 SILICONE WEATHERPROOFING SEALANT is designed for

- General weather sealing of glass curtain walls, aluminum curtain walls and terracotta curtain walls
- Sealing the joints of concretes, plastics, metals and etc.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump	mm	≤3	0
GB/T 13477 (ISO 8394)	Extrusion rate	ml/min	≥150	856
GB/T 13477 (ASTM D 2377)	Tack free time	h	≤3	1.1
GB/T 13477 (ISO 7389)	Extension recovery	%	≥80	90
GB 16776 (ISO 10563)	Weight loss	%	≤8	5.6
GB/T 13477 (ISO 8339)	Modulus at 23 °C	MPa	>0.4	0.84
GB/T 13477 (ISO 11600)	Movement capability	%	±35	±35
GB/T 13477 (ISO 8340)	Adhesion at fixed stretch		No failure	No failure
GB/T 13477 (ISO 9047)	Adhesion after heat contract and cold extension		No failure	No failure
GB/T 13477	Adhesion after UV-water exposure		No failure	No failure

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

GUIBAO 998 is available in black, gray, white and other customized colours.

PACKAGING

GUIBAO 998 is available in disposable cartridges (net 300ml), 24 pieces to a carton and sausages (net 590ml), 20 pieces to a carton

SPECIFICATIONS

GUIBAO 998 is designed to meet or even exceed the requirements of

- Chinese national specification [GB/T 14683-I-Gw-35HM](#)

STORAGE AND SHELF LIFE

GUIBAO 998 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

GUIBAO 998 should not be applied:

- As structural sealant
- To the materials that bleed oils, plasticizers or solvents, such as impregnated wood, oil-based caulks
- In totally confined spaces as sealant requires atmospheric moisture for cure
- To frost laden or damp surfaces
- For continuous water immersion
- When substrate surface temperature below 4 °C or over 50 °C
- To copper, zinc or lead coated surfaces

HOW TO USE

Surface Preparation

Clean all joints removing all foreign matter and contaminants such as oil, grease, dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

Application Method

Install back-up materials or joint fillers. Mask areas adjacent to joints to ensure neat sealant lines. Primer is generally not required for non-porous surfaces, but may be necessary for optimal seal performance of certain porous surfaces. So adhesion test is always recommended.

Apply GUIBAO 998 in a continuous operation using dispensing guns. Before a skin forms, tool the sealant with light pressure to spread the sealant against the backing materials and joint surfaces. Remove masking tape as soon as the bead is tooled.

SAFETY INFORMATION

- GUIBAO 998 is a chemical product, not edible, Implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation required for work and curing places.

TECHNICAL SERVICES

Complete technical information and literature, adhesion testing and compatibility testing are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for intended specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No. 16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
P.R.CHINA
Tel: +86 28 8531 1860
Fax: +86 28 8531 8066
E-mail: guibao@cnguibao.com
www.cnguibao.com



GUIBAO 997

SILICONE SEALANT FOR STONE APPLICATIONS

Non-staining elastomeric silicone sealants specially suited for porous substrates

FEATURES

- One-part, neutral cure, easy for application
- Non-staining to natural stones and other porous substrates
- Outstanding UV and weathering resistance
- Excellent resistance to temperature extremes, unaffected performance from -50°C to +150°C
- Excellent adhesion to marbles, granite, cement panels and etc.
- Excellent unprimed adhesion to wide range of substrates including natural stone, glass, metal, ceramic tile, and anodized aluminum
- Good compatibility with other neutral silicone sealants

BASIC USES

GUIBAO 997 SILICONE SEALANT FOR STONE APPLICATIONS is specially formulated for

- Weatherseal on stone curtain walling and cement panel precasting
- Bonding and caulk seal in ceramic engineering
- Sealing the joints between stone and other construction materials such as glass and metals etc.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump	mm	≤3	0
GB/T 13477 (ISO 8394)	Extrusion rate	ml/min.	≥80	373
GB/T 13477 (ASTM D 2377)	Tack free time	h	≤3	1.2
GB/T 13477 (ISO 7389)	Extension recovery	%	≥80	90
GB/T 13477 (ISO 8339)	Modulus at 23°C	MPa	>0.4	0.74
GB/T 13477 (ISO 11600)	Movement capability	%	±20	±20
GB/T 13477 (ISO 8349)	Adhesion at fixed stretch		No failure	No failure
GB/T 13477 (ISO 9047)	Adhesion after heat contract and cold extension		No failure	No failure
GB/T 13477 (ISO 10590)	Adhesion at fixed stretch after water immersion		No failure	No failure
GB/T 23261	Staining	Stain depth	mm	≤2.0
		Stain width	mm	≤2.0
GB/T 13477 (ISO 10563)	Weight loss	%	≤5.0	3.0

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

GUIBAO 997 is available in black, gray and other customized colours.

PACKAGING

GUIBAO 997 is available in cartridges (net 300ml), 24 pieces to a carton or in sausages (net 500ml), 20 pieces to a carton

SPECIFICATIONS

GUIBAO 997 is designed to meet or even exceed the requirements of

- Chinese national specification [GB/T 23261-2009 20HM](#)
- Complies with [ASTM C 1248-18](#)

STORAGE AND SHELF LIFE

GUIBAO 997 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

GUIBAO 997 should not be applied:

- As structural sealant
- To the materials that bleed oils, plasticizers or solvents, such as impregnated wood, oil-based caulks
- In totally confined spaces as sealant requires atmospheric moisture for cure
- To frost laden or damp surfaces
- For continuous water immersion
- When surface temperature below 4°C or over 50°C

HOW TO USE

Surface Preparation

Clean all joints removing all foreign matter and contaminants such as oil, grease, dust, water, frost, surface dirt, protective coatings.

Application Method

Install back-up materials or joint fillers. Mask areas adjacent to joints to ensure neat sealant lines. Primer is generally not required for non-porous surfaces, but may be necessary for optimal seal performance of certain porous surfaces. So adhesion test is always recommended.

Apply GUIBAO 997 in a continuous operation using dispensing guns. Before a skin forms, tool the sealant with light pressure to spread the sealant against the backing materials and joint surfaces. Remove masking tape as soon as the bead is tooled.

SAFETY INFORMATION

- GUIBAO 997 is a chemical product, not edible. Implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work and curing places.

TECHNICAL SERVICES

Complete technical information and literature, adhesion testing, stain testing and compatibility testing are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for intended specific applications

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No.16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
P.R.CHINA
Tel: +86 28 8531 1860
Fax: +86 28 8531 8066
E-mail: guibao@cnguibao.com
www.cnguibao.com



GUIBAO 996

NEUTRAL SILICONE SEALANT

General purpose, neutral cure silicone sealant for general sealing, general glazing, waterproofing applications

FEATURES

- One-part, neutral cure
- Easy of application
- Non-corrosive
- Good weatherability and resistance to UV radiation ,heat and humidity, and ozone
- Excellent resistance to temperature extremes, unaffected performance from $-50\text{ }^{\circ}\text{C}$ to $+150\text{ }^{\circ}\text{C}$
- Good unprimed adhesion to wide range of substrates
- Good compatibility with other neutral silicone sealants

BASIC USES

- GUIBAO 996 NEUTRAL SILICONE SEALANT is formulated for weather and waterproofing seal of high-end window & door, and simple curtain wall.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump	mm	≤ 3	0
GB/T 13477 (ISO 8394)	Extrusion rate	ml/min.	≥ 150	418
GB/T 13477 (ASTM D2377)	Tack free time	h	≤ 3	0.7
GB/T 13477 (ISO 7389)	Extension recovery	%	≥ 80	90
GB 16776 (ISO 10563)	Weight loss	%	≤ 8	3
GB/T 13477 (ISO 8339)	Tensile Modulus	MPa	> 0.4	0.8
GB/T 13477 (ISO 11600)	Movement capability	%	± 25	± 25
JC/T 485	Adhesion after UV exposure		No failure	No failure
GB/T 13477 (ISO 8340)	Adhesion at fixed stretch		No failure	No failure
GB/T 13477 (ISO 9047)	Adhesion after heat contract and cold extension		No failure	No failure
GB/T 13477 (ISO 10590)	Adhesion after water immersion		No failure	No failure

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

GUIBAO 996 is available in black, gray, white and other customized colours.

PACKAGING

GUIBAO 996 is available in disposable cartridges (net 300ml), 24 pieces to a carton, and sausages (net 500ml), 20 pieces to a carton.

SPECIFICATIONS

GUIBAO 996 is designed to meet or even exceed the requirements of

- Chinese national standard [GB/T 14683-I-Gn-25HM](#)

STORAGE AND SHELF LIFE

GUIBAO 996 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

GUIBAO 996 should not be applied:

- For structural glazing
- To the materials that bleed oils , plasticizers or solvents, such as impregnated wood, oil-based caulks
- In totally confined spaces as sealant requires atmospheric moisture for cure
- To frost laden or damp surfaces
- For continuous water immersion
- When surface temperature below $4\text{ }^{\circ}\text{C}$ or over $50\text{ }^{\circ}\text{C}$

HOW TO USE

Surface Preparation

Clean all joints removing all foreign matter and contaminants such as oil, grease, dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

Application Method

Mask areas adjacent to joints to ensure neat sealant lines. Apply GUIBAO 996 in a continuous operation using dispensing guns. Before a skin forms, tool the sealant with light pressure to spread the sealant against the backing materials and joint surfaces. Remove masking tape as soon as the bead is tooled.

SAFETY INFORMATION

- GUIBAO 996 is a chemical product, not edible, Implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work and curing places.

TECHNICAL SERVICES

Complete technical information and literature, adhesion testing and compatibility testing are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for intended specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No. 16, Xinyuan Road, Hi-tech Zone, Chengdu 610041

P.R.CHINA

Tel: +86 28 8531 1860

Fax: +86 28 8531 8066

E-mail: guibao@cnguibao.com

www.cnguibao.com



GUIBAO 995

SILICONE SEALANT FOR TOTAL VISION SYSTEM

High performance acetoxy cure sealant ideally suited for total vision systems and spider-fixed curtain walls

FEATURES

- One-part, fast cure
- Outstanding weatherability
- Excellent resistance to temperature extremes, virtually unaffected performance from $-50\text{ }^{\circ}\text{C}$ to $+150\text{ }^{\circ}\text{C}$
- Good compatibility with other neutral silicone sealants

BASIC USES

GUIBAO 995 SILICONE SEALANT FOR TOTAL VISION SYSTEM is a high performance silicone sealant specially designed for

- Weather seal on spider fixed curtain walls and total vision systems
- Art glass seal and bonding
- Glass joint seal

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
ASTM C 639	Slump	mm	≤ 4.8	0
ASTM C 603	Extrusion rate	s	≤ 10	1.9
ASTM C 679	Tack free time	h	≤ 3	0.4
ASTM C 661	Hardness	Shore A	20~60	32
ASTM C 1135	Tensile strength	MPa	≥ 0.345	0.45
ASTM C 792	Heat aging			
	chalking		Nil	Nil
	cracking		Nil	Nil

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

GUIBAO 995 is available in translucent.

PACKAGING

GUIBAO 995 is available in cartridges (net 300ml), 24 pieces to a carton.

SPECIFICATIONS

GUIBAO 995 complies with

- [Q/71304249-7.020-2018](#)

STORAGE AND SHELF LIFE

GUIBAO 995 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

GUIBAO 995 should not be applied:

- To 4-sided and 2-sided curtain walls
- To the materials that bleed oils, plasticizers or solvents, such as impregnated wood, oil-based caulks
- In totally confined spaces as sealant requires atmospheric moisture for cure
- To frost laden or damp surfaces
- For continuous water immersion
- When surface temperature below $4\text{ }^{\circ}\text{C}$ or over $50\text{ }^{\circ}\text{C}$
- For metal coated glass glazing

HOW TO USE

Surface Preparation

Clean all joints removing all foreign matter and contaminants such as oil, grease, dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

Application Method

Mask areas adjacent to joints to ensure neat sealant lines. Primer is generally not required for non-porous surfaces, but may be necessary for optimal seal performance of certain porous surfaces. So adhesion testing is always recommended.

Apply GUIBAO 995 in a continuous operation using dispensing guns. Before a skin forms, tool the sealant with light pressure to spread the sealant against the backing materials and joint surfaces. Remove masking tape as soon as the bead is tooled.

SAFETY INFORMATION

- GUIBAO 995 is a chemical product, not edible, Implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged periods of exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work and curing places.

TECHNICAL SERVICES

Complete technical information and literature, adhesion testing and compatibility testing are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for intended specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No. 16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
P.R.CHINA
Tel: +86 28 8531 1860
Fax: +86 28 8531 8066
E-mail: guibao@cnguibao.com
www.cnguibao.com



GUIBAO 993

SILICONE SEALANT FOR SKYLIGHT

High performance neutral cure silicone with superior elasticity, movement accommodation and weatherability, ideally suited for skylight joint seal applications

FEATURES

- One-part, neutral room temperature cure
- Superior elasticity, low modulus, remain stable and flexible from -50 °C to +150 °C
- Outstanding weatherability and resistance to UV, snow, rain, ozone, water and etc.
- Excellent unprimed adhesion to most building materials
- Non staining or corrosive to most building materials
- Fast curing rate, easy to use

BASIC USES

GUIBAO 993 SILICONE SEALANT FOR SKYLIGHT is a high performance silicone sealant specially designed for

- Weather, watertight joint seal in skylight engineering
- Weather and watertight seal for the ceilings over the waiting halls at airports, railway stations and bus stations
- Sealing other construction joints with greatly high movement or safety requirement

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result	
GB/T 13477 (ISO 7390)	Slump	mm	≤3	0	
GB/T 13477 (ISO 8394)	Extrusion rate	ml/min.	≥80	232	
GB/T 13477 (ASTM D2377)	Tack free time	h	≤3	2.0	
GB/T 13477 (ISO 7389)	Extension recovery	%	≥70	93	
GB/T 13477 (ISO 8339)	Tensile strength	MPa			
			23 °C	≤0.4	0.36
			-20 °C	≤0.6	0.45
GB/T 13477 (ISO 8339)	Elongation at break	%	≥300	426	
GB/T 13477 (ISO 8340)	Adhesion at fixed stretch		No failure	No failure	
GB/T 13477 (ISO 9047)	Adhesion after heat contract and cold extension		No failure	No failure	
GB/T 13477	Adhesion after water immersion and UV exposure		No failure	No failure	

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

GUIBAO 993 is available in black and translucent.

PACKAGING

GUIBAO 993 is available in disposable cartridges (net 300ml), 24 pieces to a carton.

SPECIFICATIONS

GUIBAO 993 is designed to meet or even exceed the requirement of

- Chinese national specification [GB/T 22083-G/F-50](#)

STORAGE AND SHELF LIFE

GUIBAO 993 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

GUIBAO 993 should not be applied:

- For structural glazing
- To the materials that bleed oils, plasticizers or solvents, such as impregnated wood
- In totally confined spaces as sealant requires atmospheric moisture for cure
- To frost laden or damp surfaces
- For continuous water immersion
- When surface temperature below 4 °C or over 50 °C

HOW TO USE

Surface Preparation

Clean all joints removing all foreign matter and contaminants such as oil, grease, dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

Application Method

Install back-up materials or joint fillers. Mask areas adjacent to joints to ensure neat sealant lines. Primer is generally not required for non-porous surfaces, but may be necessary for optimal seal performance of certain porous surfaces. So adhesion test is always recommended.

Apply GUIBAO 993 in a continuous operation using dispensing guns. Before a skin forms, tool the sealant with light pressure to spread the sealant against the backing materials and joint surfaces. Remove masking tape as soon as the bead is tooled.

SAFETY INFORMATION

- GUIBAO 993 is a chemical product, not edible, Implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work & curing places.

TECHNICAL SERVICES

Complete technical information and literature, adhesion testing, stain testing and compatibility testing are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for intended specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No. 16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
P.R. CHINA
Tel: +86 28 8531 1860
Fax: +86 28 8531 8066
E-mail: guibao@cnguibao.com
www.cnguibao.com



GUIBAO DJ-A3-119

FIRE RESISTANCE SILICONE SEALANT

One part, neutral cure silicone sealant ideal for preventing the spread of smoke and flames through expansion joints, or penetration seals on curtain walling, building facades or partition walls

FEATURES

- FV-0 class of fire resistance capability
- Excellent watertight and smoke tight performance
- Non-corrosive to metals, coated glass, concretes, marbles, granites and etc.
- Excellent weatherability and resistance to temperature extremes
- Excellent unprimed adhesion to a wide range of building materials
- Good compatibility with other neutral silicone sealants

BASIC USES

GUIBAO DJ-A3-119 FIRE RESISTANCE SILICONE SEALANT is specially formulated for

- Fire resistance and smoke seal of the smoke flashing of curtain walls
- Glazing and sealing fire rated windows and doors
- Fire retardant penetration seal of wires, pipes, cables and cable trays
- Fire resistance sealing of other construction joints

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump	mm	≤3	0
GB/T 13477 (ISO 8394)	Extrusion rate	ml/min.	≥80	482
GB/T 13477 (ASTM D 2377)	Tack free time	h	≤3	0.7
GB/T 13477 (ISO 7389)	Tension recovery	%	≥40	87
GB/T 13477 (ISO 11600)	Movement capability	%	±12.5	±12.5
GB/T 13477 (ISO 9046)	Adhesion after extension and compression cycle at fixed temperature	Adhesion after extension and compression cycle at fixed temperature	No failure	No failure
GB/T 13477 (ISO 8339)	Elongation at break after immersion	%	≥40	60
GB/T 13477 (ISO 10563)	Weight loss	%	≤25	5.4
GB/T 2408	Fire retardant rate		FV-0	FV-0
GB 23864	Fire resistance			
	Integrity	Grade A3≥3.00h, no flame break into the unexposed side of the testing module for 10 seconds, the cotton cushion should not catch fire	3.00hours, no flame break into the unexposed side of the testing module, the cotton cushion not catch fire	
	Insulation	Grade A3≥3.00h, the temperature increase of the any point of the unexposed side of the testing module ≤180°C, the temperature increase of the any point of the unexposed side of the frame ≤180 °C	3.00hours, the max, temperature increase on the unexposed side of the testing module is 50 °C, max. temperature increase on the unexposed side of the frame is <50 °C	

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

GUIBAO DJ-A3-119 is available in two colours: black and white.

PACKAGING

GUIBAO DJ-A3-119 is available in cartridges (net 300ml). 24 pieces to a carton.

SPECIFICATIONS

GUIBAO DJ-A3-119 is designed to meet or even exceed the requirement of

- China national specification [GB 23864-2009](#)
- [GB/T 2408-2008](#)

STORAGE AND SHELF LIFE

GUIBAO DJ-A3-119 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

GUIBAO DJ-A3-119 should not be applied:

- For structural glazing
- To the materials that bleed oils, plasticizers or solvents, such as impregnated wood, oil based caulks
- In totally confined spaces as sealant requires atmospheric moisture for cure
- To frost laden or damp surfaces
- For continuous water immersion
- When surface temperature below 4 °C or over 50 °C

HOW TO USE

Surface Preparation

Clean all joints removing all foreign matter and contaminants such as oil, grease, dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

Application Method

Mask areas adjacent to joints to ensure neat sealant lines. Primer is generally not required for non-porous surfaces, but may be necessary for optimal seal performance of certain porous surfaces. So adhesion test is always recommended.

Apply GUIBAO DJ-A3-119 in a continuous operation using dispensing guns. Before a skin forms, tool the sealant with light pressure to spread the sealant against the backing materials and joint surfaces. Remove masking tape as soon as the bead is tooled.

SAFETY INFORMATION

- GUIBAO DJ-A3-119 is a chemical product, not edible, implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work & curing places.

TECHNICAL SERVICES

Complete technical information and literature, adhesion testing and compatibility testing are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for specific applications.

Manufacturer

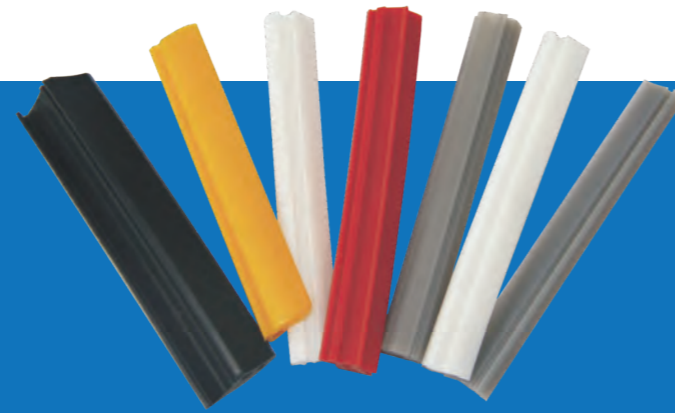
Chengdu Guibao Science and Technology Co., Ltd.
No.16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
P.R.CHINA

Tel: +86 28 8531 1860

Fax: +86 28 8531 8066

E-mail: guibao@cnguibao.com

www.cnguibao.com



GUIBAO

GUIBAO SILICONE GASKET

FEATURES

- Excellent cold and heat resistance
- Excellent weatherability
- Excellent compression recovery

BASIC USES

- GUIBAO SILICONE GASKET is specially designed for sealing the joints/seams of curtain walls, and aluminium alloy, PVC or wood windows and doors.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
GB/T 531 (ISO 7619)	Hardness	Shore A	Designed ±5	70
GB/T 528 (ISO 37)	Tensile strength	MPa	≥5.0	6.1
GB/T 528 (ISO 37)	Extension at break	%	≥250	300
	Deformation on compression(100 C ×168h)	%	≤35	34

*GB: Chinese National Standard ISO: International Standardization Organization

COLOURS

GUIBAO SILICONE GASKET is available in black and other customized colours.

PACKAGING

GUIBAO SILICONE GASKET is available in rolls, every 10kg or 20kg per roll.

SPECIFICATIONS

GUIBAO SILICONE GASKET is designed to meet or even exceed the requirements of

- Chinese Recommended Specification for Construction Materials [GB/T 24498-2009](#)

STORAGE AND SHELF LIFE

GUIBAO SILICONE GASKET is non-hazardous for transport, and should be stored in dry places under which it has a shelf life of 12 months from the date of manufacture

NOTES

- Installation can be easier and smooth by dipping profiles in silicone oil or saponification liquid.
- Gasket is not allowed to be much pulled and stretched during installation, and the length of the strip must be about 1% longer than the profiles to avoid seal failure caused by strip shrinkage.
- The gasket for the corner of window and door should be cut into 45° angle, and the edge should be kept well connected to prevent cracking when shrinkage occurs.
- If there is breakage of strip, don't set it at the corner.
- Better set it in a longitude direction during installation, butt the breakages well and bond firm with adhesives.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
 No.16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
 P.R.CHINA
 Tel: +86 28 8531 1860
 Fax: +86 28 8531 8066
 E-mail: guibao@cnguibao.com
www.cnguibao.com



GUIBAO 882

SILICONE INSULATING GLASS SEALANT

Two-part silicone sealant suited for the secondary seal in insulating glass units

FEATURES

- Two-part, neutral fast cure rate, suitable for factory application
- High level of tensile strength and mechanical properties
- Excellent adhesion to a wide range of substrates including coated glass, low -E glass, tempered glass, laminated glass, aluminum and steel spacers etc.
- Excellent weatherability and high resistance to ultra-violet radiation, heat and humidity, and ozone
- Excellent resistance to temperature extremes, unaffected performance from $-50\text{ }^{\circ}\text{C}$ to $+150\text{ }^{\circ}\text{C}$
- Good compatibility with other neutral silicone sealants

BASIC USES

GUIBAO 882 SILICONE INSULATING GLASS SEALANT is specially designed for use as a secondary sealant for insulating glass units.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump	mm	≤ 3	0
GB/T 13477 (ISO 9048)	Extrudability(after 20 min.)	s	≤ 10	1.4
GB/T 13477(ASTM D 2377)	Tack free time	h	≤ 3	1.0
GB/T 531.1 (ISO 7619)	Hardness	Shore A	30~60	47
GB/T 13477 (ISO 8339)	Tensile strength	MPa	≥ 0.6	0.8
GB 16776	Adhesion failure	%	≤ 10	0
GB 16776 (ASTM C 792)	Heat aging			
	weight loss	%	≤ 6	4.5
	chalking		Nil	Nil
	cracking		Nil	Nil

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

Part A (base) of GUIBAO 882 is available in white, part B (curing agent) in black, black color after mixing.

PACKAGING

GUIBAO 882 is available in kit: part A in 200L drums (net 180L, net 190L), part B in 20L pails (net 18L, net 19L).

SPECIFICATIONS

GUIBAO 882 is designed to meet or even exceed the requirements of

- Chinese national specification [GB/T 29755-2013](#)

STORAGE AND SHELF LIFE

GUIBAO 882 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

GUIBAO 882 should not be applied:

- For structural glazing
- To the materials that bleed oils, plasticizers or solvents, such as impregnated wood, oil-based caulks
- To frost laden or damp surfaces
- For continuous water immersion
- When surface temperature below $4\text{ }^{\circ}\text{C}$ or over $50\text{ }^{\circ}\text{C}$

HOW TO USE

Surface Preparation

Clean all joints removing all foreign matter and contaminants such as oil, grease, dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

Mixing and Dispensing

To obtain the optimal performance of GUIBAO 882, it is recommended that the base and curing agent should be thoroughly mixed using a two-part silicone dispensing machine.

GUIBAO 882 should be mixed at a ratio of 9:1 ~ 11:1 base to curing agent by volume, or 14:1 ~ 16:1 base to curing agent by weight for optimal performance.

Lot matching of GUIBAO 882 base to curing agent is not required. Before use, it is recommended that curing agent be stirred to ensure the homogeneity of all components.

GUIBAO 882 part B curing agent will react with atmospheric moisture, therefore should not be exposed to air for prolonged periods of time.

Priming

Priming is not usually required when using GUIBAO 882. But it is essential that adhesion is tested prior to use to decide whether to use primer or not.

Masking and Tooling

Areas adjacent to joints may be masked to ensure a neat sealant line. Do not allow mask tape to touch clean surfaces to which the silicone sealant is to adhere. Tooling should be completed in one continuous stroke after sealant application. Masking tape should be removed immediately after tooling.

Equipment Cleaning

When not being used, it is recommended that the dispensing equipment be purged either with the base component or flush with suitable solvent.

SAFETY INFORMATION

- GUIBAO 882 is a chemical product, not edible, Implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work and curing places.

TECHNICAL SERVICES

Complete technical information and literature, adhesion testing and compatibility testing are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No.16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
P.R.CHINA
Tel: +86 28 8531 1860
Fax: +86 28 8531 8066
E-mail: guibao@cnguibao.com
www.cnguibao.com



GUIBAO 886

SILICONE SEALANT FOR STRUCTURAL INSULATING GLASS UNITS

Two-part silicone sealant suited for the secondary seal in structural insulating glass units

FEATURES

- Two-part, neutral fast cure rate, suitable for factory application
- High level of tensile strength and mechanical properties
- Excellent adhesion to a wide range of substrates including coated glass, low -E glass, tempered glass, laminated glass, aluminium and steel spacers etc.
- Excellent weatherability and high resistance to ultra-violet radiation, heat and humidity, and ozone
- Excellent resistance to temperature extremes, unaffected performance from -50 °C to +150 °C
- Excellent unprimed adhesion to wide range of substrates
- Good compatibility with other neutral silicone sealants

BASIC USES

GUIBAO 886 SILICONE SEALANT FOR STRUCTURAL INSULATING GLASS UNITS is specially designed for use as a secondary sealant for structural insulating glass units.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result	
GB/T 13477 (ISO 7390)	Slump	mm	≤3	0	
GB/T 13477 (ISO 9048)	Extrusion rate	s	≤10	1.9	
GB/T 13477 (ASTM D2377)	Tack free time	h	≤3	1.3	
GB/T 13477 (ISO 8339)	Modulus at 10% extension	MPa	≥0.15	0.22	
GB/T 531 (ISO 7619)	Hardness	Shore A	30~60	43	
GB/T 13477 (ISO 8340)	Adhesion at 25% extension		No failure	No failure	
GB/T 13477 (ISO 8339)	Tensile strength at	MPa			
			at 23 °C	≥0.60	1.13
			at 90 °C	≥0.45	0.87
			at -30 °C	≥0.45	1.58
			after water immersion	≥0.45	1.03
			after water-UV exposure	≥0.45	0.98
GB 16776 (ASTM C 792)	Heat aging	%			
			weight loss	≤6.00	3.4
			chalking	Nil	Nil
			cracking	Nil	Nil

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

Part A (base) of GUIBAO 886 is available in white, Part B(curing agent) in black, black colour after mixing.

PACKAGING

GUIBAO 886 is available in kit: part A base in 200L drums (net 190L), part B is available in 20L pails (net 19L)

SPECIFICATIONS

GUIBAO 886 is designed to meet or even exceed the specification of

- Chinese national standard [GB 24266-2009](#).

STORAGE AND SHELF LIFE

GUIBAO 886 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

GUIBAO 886 should not be applied:

- For structural glazing of glass units onto a metal frame. GUIBAO 992 two-part structural silicone and GUIBAO 999 one part structural silicone are recommended for that application
- To the materials that bleed oils, plasticizers or solvents, such as impregnated wood, oil-based caulks
- To frost laden or damp surfaces
- For continuous water immersion
- When surface temperature below 4 °C or over 50 °C

HOW TO USE

Surface Preparation

Clean all joints removing all foreign matter and contaminants such as oil, grease, dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

Mixing and Dispensing

To obtain the optimal performance of GUIBAO 886, it is recommended that the base and curing agent should be thoroughly mixed using a two-part silicone dispensing machine.

GUIBAO 886 should be mixed at a ratio of 9:1 ~ 11:1 base to curing agent by volume, or 13:1 ~ 15:1 base to curing agent by weight.

Lot matching of GUIBAO 886 base to curing agent is not required. Before use, it is recommended that curing agent be stirred to ensure the homogeneity of all components.

GUIBAO 886 part B curing agent will react with atmospheric moisture, therefore should not be exposed to air for prolonged period of time.

Priming

Priming is not usually required when using GUIBAO 886. But it is essential that adhesion is tested prior to use to decide whether to use primer or not.

Masking and Tooling

Areas adjacent to joints may be masked to ensure a neat sealant line. Do not allow mask tape to touch clean surfaces to which the silicone sealant is to adhere. Tooling should be completed in one continuous stroke after sealant application. Masking tape should be removed immediately after tooling.

Equipment Cleaning

When not being used, it is recommended that the dispensing equipment be purged either with the base component or flush with suitable solvent.

SAFETY INFORMATION

- GUIBAO 886 is a chemical product, not edible, Implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work and curing places.

TECHNICAL SERVICES

Complete technical information and literature, adhesion testing and compatibility testing are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for intended specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No.16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
P.R.CHINA
Tel: +86 28 8531 1860
Fax: +86 28 8531 8066
E-mail: guibao@cnguibao.com
www.cnguibao.com



GIBAO DJ310

HOTMELT BUTYL SEALANT FOR INSULATING GLASS

FEATURES

- GIBAO DJ310 HOTMELT BUTYL SEALANT FOR INSULATING GLASS is a one part sealant used for the primary seal of insulating glass. It is solvent free, non-foggy, lasting plasticity; able to retain its plasticity and seal performance within a wide range of temperatures without surface crack or hardening. It exhibits excellent adhesion to glass, aluminum alloy, galvanized steel and stainless steel. Its low moisture transmittance enables it, together with elastic sealants, to form an excellent moisture resistant system.

BASIC USES

- GIBAO DJ310 HOTMELT BUTYL SEALANT FOR INSULATING GLASS is specially formulated for the primary seal of insulating glass.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Unit	Standard	Result
Penetration	1/10 mm	30~50(25℃)	35
Density	g/cm ³	Specified±0.05	1.17
Shear strength	MPa	≥0.15	0.21
Vapor transmittance	g/m ² .d	≤0.8	0.40
Weight loss	%	≤0.5	0.26

COLOURS

GIBAO DJ310 is available in black.

PACKAGING

GIBAO DJ310 is available in cardboard cylinders with a diameter of 180mm, 7kg per piece, 4 pieces per carton.

SPECIFICATIONS

GIBAO DJ310 is designed to meet or even exceed the requirement of

- Chinese Construction Material Standard [JC/T 914-2014](#)

STORAGE AND SHELF LIFE

GIBAO DJ310 should be stored over the temperature from -10℃~30℃ in original unopened containers. It has a shelf life of 24 months from the date of manufacture.

TRANSPORT

GIBAO DJ310 is non hazardous for transportation by land, air or sea.

HOW TO USE

Surface Preparation

Clean all joints removing all foreign matter and contaminants such as oil, grease, dust, water, frost, surface dirt etc.

Application Method

Apply GIBAO DJ310 extruder special for insulating glass production line over the temperature from 100℃ to 150℃, and the ambient temperature should not be below 10℃.

SAFETY INFORMATION

- Cured hotmelt butyl sealant can be handled without any risk to health.
- Should uncured butyl sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Keep away from children.
- Good ventilation is necessary for work & cure place.

TECHNICAL SERVICES

Complete technical information and literature, adhesion testing and compatibility testing are available from GIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No.16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
P.R.CHINA
Tel: +86 28 8531 1860
Fax: +86 28 8531 8066
E-mail: guibao@cnguibao.com
www.cnguibao.com



GUIBAO 668

SILICONE SEALANT FOR CONCRETE JOINTS

DESCRIPTION

GUIBAO 668 is specially designed for the lasting weatherproofing seal of concrete joints. Because of its low modulus and excellent extension and compression recovery (+100/-50 percent of original joint width), GUIBAO 668 exhibits outstanding performance in highway, airport, bridge and other concrete joints where high movement occurs. Accelerated weather aging test proves that GUIBAO 668 is definitely qualified to withstand the temperature extremes and strong violet rays of concrete pavement. Once exposed to moisture in the air, GUIBAO 668 begins its room temperature cure to form an elastic silicone rubber with lasting weatherproofing seal performance.

FEATURES

- One part, ready to use as supplied ,good gunnability, dispensed directly from container into joints by hand or with an air-powered pump
- Excellent unprimed adhesion and bonding to concrete
- High movement capability-able to accommodate the extension and contraction, and shear deformation of concrete joints without itself being destroyed
- Low modulus-able to stretch in the joint with little force. This can better protect the concrete surfaces from being damaged
- Resilient-once cured, strong anti-embedding performance, preventing gravels and other incompressible into the joints which may result in joint edge failure
- Highly elasticity and extension recovery-the sealant can be stretched to 100 percent or compressed to 50 percent of the joint width. When released, it will resume its original shape without splits or cracks
- Excellent temperature extreme resistance -cured GUIBAO 668 has a stable performance over the temperature range from -60℃ to +150℃
- Excellent lasting weatherability-the Si-O-Si high energy bond can not be destroyed by UV or ozone

BASIC USES

GUIBAO 668 SILICONE SEALANT FOR CONCRETE JOINTS is specially formulated for

- Sealing the transverse, longitudinal, center lines and shoulder joints of concrete pavement.
- Sealing the extension and contraction concrete joints of high ways, airports, bridges, warehouses, parking lots, stadiums, architectural settlements, etc.
- It can be used as original sealant in new concrete constructions or as remedial/repair sealant for old constructions.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Result
GB/T 13477 (ASTM D 2377)	Tack free time	min.	60
GB/T 13477 (ISO 8394)	Extrusion rate	ml/min.	180
GB/T 531 (ISO7619)	Hardness	Shore A	30
GB/T 13477 (ISO 8339)	100% modulus	MPa	0.4
GB/T 528 (ISO 37)	Elongation at break(dumbbell type)	%	600
GB/T 13477 (ISO 11600)	Movement capability	%	+100~-50

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

GUIBAO 668 is available in black, gray and other customized colours.

PACKAGING

GUIBAO 668 is available in sausages (net 590ml).

SPECIFICATIONS

GUIBAO 668 is designed to meet or even exceed the requirement of

- [JC/T 881-2017](#)
- [ASTM C 920-18,D 5893-96](#)

STORAGE AND SHELF LIFE

GUIBAO 668 should be stored in original unopened containers. It has a shelf life of 12 months from the date of production.

LIMITATIONS

GUIBAO 668 should not be applied:

- In totally confined spaces as sealant requires atmospheric moisture for cure
- To frost laden or damp concrete surfaces
- When substrate surface temperature is below 4℃ or over 40℃
- New concrete should be allowed to cure and dry for at least 28 days of good drying weather. For each day of rain that occurs during that period, an additional day should be added to the 28-day drying time. For fast completion and or high early concrete mixes, please contact Guibao Technical Services
- The sealant bead should be recessed below the surface of concrete surface to prevent abrasion from traffic and snow removal equipment.
- The adhesion to substrates other than concrete should be checked before performing full-scale sealing.

TECHNICAL SERVICES

- Complete technical information and literature.
- Adhesion test

GUIBAO 668 exhibits excellent unprimed adhesion to concrete. But due to the diversity of concrete configuration and substrate surface cleaning status, we can not guarantee that GUIBAO 668 is applicable to all the concrete. Adhesion testing should be conducted prior to the large scale site application.

SAFETY INFORMATION

- GUIBAO 668 is a chemical product, not edible, no implantation into body and should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Wear gloves for sealant application
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists; should contact with skin, wipe off with cloth, then wash with sopy water
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation necessary for work &cure places.

JOINT DESIGN AND A PPLICATION

Please refer to Application Guide for GUIBAO 668 PAVEMENT SILICONE SEALANT

USAGE ESTIMATION

thickness	the application length (m) of a piece of GB 668 (590ml)					
6mm	16	12	9.8	8	6.5	4.9
9mm	10.9	8.2	6.5	5.4	4.3	3.2
12mm	8.2	6.1	4.9	4	3.2	2.4
	6mm	8mm	10mm	12mm	15mm	20mm
	glue line width(mm)					

Note: The actual usage may be not 100% the same as above figures because of joint design, backer rod and on-site waste.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No.16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
P.R.CHINA
Tel: +86 28 8531 1860
Fax: +86 28 8531 8066
E-mail: guibao@cnguibao.com
www.cnguibao.com

Application Guide for GUIBAO 668 SILICONE SEALANT FOR CONCRETE JOINTS

JOINT DESIGN

Proper joint design enables the sealant to better accommodate the movement of concrete joints.

Low modulus GUIBAO 668 easily withstands 100 percent extension and 50 percent compression of the original joint width. However, the recommended joint design is $\pm 25\%$ (50 percent total) and not at the sealant limits. This difference ensures a successful seal when job site joint width is different from the designed. Therefore, the joint design dimensions should be less than the ultimate sealant capability.

A thin bead of sealant accommodates more movement than a thick one. GUIBAO 668 should be no thicker than 13mm and no thinner than 6mm. Within this limits, the sealant width-to-depth ratio should be 2:1.

In all cases, the sealant must be recessed below the pavement surface at least 4mm. For the wide joints, 12mm recess is acceptable to avoid possible damages to sealant by road-working operations such as grinding of the surface (see Table 1).

JOINT PREPARATION

All the residues, especially those from saw-cutting and previous sealants must be blasted off. Leaving materials of this type on the surface of the joint face prevents the development of a good adhesive bond. A clean joint will have no visible signs of residual sealant or debris on the joint surfaces, and will leave no residual cement powder or dust on your fingers after rubbing the joint face.

Table 1 Recommended Joint Design

When applied to old concrete joints, the original sealant must be removed mechanically, and should not use solvent containing cloth to dissolve the old sealant.

Joint surface must be clean, dry and frost free when the sealant is installed.

BACKER ROD SELECTION AND PLACEMENT

Backer rod must be placed into the joints before applying silicone sealant. Open or close cell polyethylene rods should be the best choice as backing material. The primary functions of the backer rod is to prevent three-sided adhesion of the sealant, the bond to bottom and to control the thickness of the sealant bead.

The backer rod should be about 25 percent oversized so that it fits tightly into the joint. A loose backer rod will be pushed deeper into the joint when the sealant is installed and will not provide adequate support for proper tooling. Thus, the thickness of the sealant bead cannot be controlled as required.

Use a special roller to press the backer rod into the joints, the depth of the roller is the designed thickness of the sealant. After the placement of backer rod, check whether there is spot allowing sealant leakage and the depth is desirable or not.

SEALANT INSTALLATION

No matter the sealant is applied manually or by use of an air-powered pump, the nozzle should be moved steadily along the joint, pushing the sealant ahead to form a uniform bead.

Immediately after applying and before a skin forms, tooled the sealant against the joint faces and the bead is recessed the required minimum 4mm below the pavement surface.

Joint width (mm)	6	8	10	12	15	20
Recessed below surface (mm)	4	4	4	5	5	6
Sealant thickness (mm)	4	4	6	7	8	8
Backer rod diameter (mm)	9	13	16	22	32	64
Total joint depth (mm)	10	12	14	16	18	18

CONTENTS

GUIBAO Professional Building Sealant

Window And Door Sealant

GUIBAO 996 NEUTRAL SILICONE SEALANT	85
GUIBAO 557 NEUTRAL SILICONE SEALANT FOR WINDOW AND DOOR	87
GUIBAO SILICONE GASKET	89

Indoor Decoration Sealant

GUIBAO 561 MILDEWPROOFING SILICONE SEALANT	91
GUIBAO 562 MIRROR SILICONE SEALANT	93
GUIBAO 563 NEUTRAL GENERAL PURPOSE SILICONE SEALANT	95
GUIBAO 553 ACETOXY GENERAL PURPOSE SILICONE SEALANT	97



GUIBAO 996

NEUTRAL SILICONE SEALANT

General purpose, neutral cure silicone sealant for general sealing, general glazing, waterproofing applications

FEATURES

- One-part, neutral cure
- Easy of application
- Non-corrosive
- Good weatherability and resistance to UV radiation ,heat and humidity, and ozone
- Excellent resistance to temperature extremes, unaffected performance from $-50\text{ }^{\circ}\text{C}$ to $+150\text{ }^{\circ}\text{C}$
- Good unprimed adhesion to wide range of substrates
- Good compatibility with other neutral silicone sealants

BASIC USES

- GUIBAO 996 NEUTRAL SILICONE SEALANT is formulated for weather and waterproofing seal of high-end window & door, and simple curtain wall.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump	mm	≤ 3	0
GB/T 13477 (ISO 8394)	Extrusion rate	ml/min.	≥ 150	418
GB/T 13477 (ASTM D2377)	Tack free time	h	≤ 3	0.7
GB/T 13477 (ISO 7389)	Extension recovery	%	≥ 80	90
GB 16776 (ISO 10563)	Weight loss	%	≤ 8	3
GB/T 13477 (ISO 8339)	Tensile Modulus	MPa	> 0.4	0.8
GB/T 13477 (ISO 11600)	Movement capability	%	± 25	± 25
JC/T 485	Adhesion after UV exposure		No failure	No failure
GB/T 13477 (ISO 8340)	Adhesion at fixed stretch		No failure	No failure
GB/T 13477 (ISO 9047)	Adhesion after heat contract and cold extension		No failure	No failure
GB/T 13477 (ISO 10590)	Adhesion after water immersion		No failure	No failure

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

GUIBAO 996 is available in black, gray, white and other customized colours.

PACKAGING

GUIBAO 996 is available in disposable cartridges (net 300ml), 24 pieces to a carton, and sausages (net 500ml), 20 pieces to a carton.

SPECIFICATIONS

GUIBAO 996 is designed to meet or even exceed the requirements of

- Chinese national standard [GB/T 14683-I-Gn-25HM](#)

STORAGE AND SHELF LIFE

GUIBAO 996 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

GUIBAO 996 should not be applied:

- For structural glazing
- To the materials that bleed oils , plasticizers or solvents, such as impregnated wood, oil-based caulks
- In totally confined spaces as sealant requires atmospheric moisture for cure
- To frost laden or damp surfaces
- For continuous water immersion
- When surface temperature below $4\text{ }^{\circ}\text{C}$ or over $50\text{ }^{\circ}\text{C}$

HOW TO USE

Surface Preparation

Clean all joints removing all foreign matter and contaminants such as oil, grease, dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

Application Method

Mask areas adjacent to joints to ensure neat sealant lines. Apply GUIBAO 996 in a continuous operation using dispensing guns. Before a skin forms, tool the sealant with light pressure to spread the sealant against the backing materials and joint surfaces. Remove masking tape as soon as the bead is tooled.

SAFETY INFORMATION

- GUIBAO 996 is a chemical product, not edible, Implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work and curing places.

TECHNICAL SERVICES

Complete technical information and literature, adhesion testing and compatibility testing are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for intended specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No. 16, Xinyuan Road, Hi-tech Zone, Chengdu 610041

P.R.CHINA

Tel: +86 28 8531 1860

Fax: +86 28 8531 8066

E-mail: guibao@cnguibao.com

www.cnguibao.com

GUIBAO 557

NEUTRAL SILICONE SEALANT FOR WINDOW AND DOOR

One-part neutral cure silicone sealant suited for weatherseal and perimeter seal purposes



FEATURES

- One-part, neutral cure, odorless
- Excellent watertight performance
- Easy application
- Non-corrosive
- Stable long service life
- Excellent weatherability
- Good unprimed adhesion to wide range of substrates
- Good compatibility with other neutral silicone sealants

BASIC USES

GUIBAO 557 NEUTRAL SILICONE SEALANT FOR WINDOW AND DOOR is Designed for weatherseal and perimeter seal application of window and doors.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump(vertical)	mm	≤3	0
GB/T 13477 (ISO 8394)	Extrusion rate	ml/min.	≥150	415
GB/T 13477 (ASTM D 2377)	Tack free time	h	≤3	0.8
GB/T 13477 (ISO 7389)	Extension recovery	%	≥80	86
GB/T 13477 (ISO 10563)	Weight loss	%	≤8	5
GB/T 13477 (ISO 8339)	Tensile modulus	MPa	>0.4	0.7
GB/T 13477 (ISO 11600)	Movement capability	%	20	20
JC/T 485	Adhesion after UV exposure		No failure	No failure
GB/T 13477(ISO 8340)	Adhesion at fixed stretch		No failure	No failure
GB/T 13477(ISO 9047)	Adhesion after heat contract and cold extension		No failure	No failure
GB/T 13477(ISO 10590)	Adhesion after water immersion		No failure	No failure

*GB: Chinese National Standard

JC/T: Chinese Recommended Standard for Construction Materials

ASTM: American Society for Testing and Materials

ISO: International Standardization Organization

COLOURS

GUIBAO 557 is available in black, gray, white and other customized colours.

PACKAGING

GUIBAO 557 is available in disposable cartridges (net 300ml), 24 pieces to a carton and sausages (net 500ml), 20 pieces to a carton.

SPECIFICATIONS

GUIBAO 557 is designed to meet or even exceed the requirements of

- Chinese national specification [GB/T 14683-I-Gn-20HM](#)

STORAGE AND SHELF LIFE

GUIBAO 557 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

GUIBAO 557 should not be applied:

- For structural glazing
- For weather seal for curtain walls
- To underground joints
- To joints with high movement
- To the materials that bleed oils , plasticizers or solvents, such as impregnated wood ,or unvulcanized resin
- In totally confined spaces as sealant requires atmospheric moisture for cure
- To frost laden or damp surfaces
- For continuous water immersion
- When surface temperature below 4℃ or over 50℃

HOW TO USE

Surface Preparation

Clean all joints removing all foreign matter and contaminants such as oil, grease, dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

Application Method

Mask areas adjacent to joints to ensure neat sealant lines. Apply GUIBAO 557 in a continuous operation using dispensing guns. Before a skin forms, tool the sealant with light pressure to spread the sealant against the joint surfaces. Remove masking tape as soon as the bead is tooled.

SAFETY INFORMATION

- GUIBAO 557 is a chemical product, not edible, Implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work and curing places.

TECHNICAL SERVICES

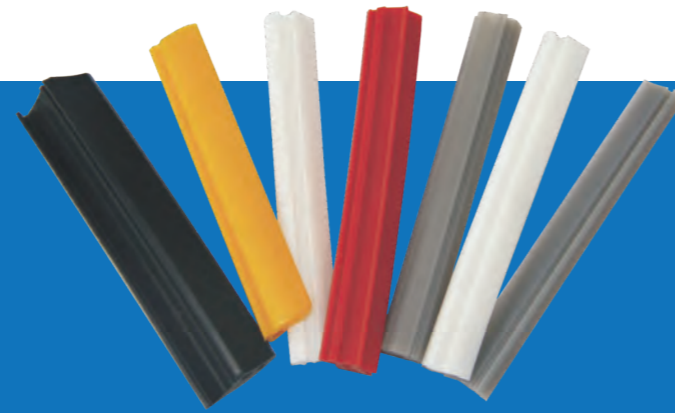
Complete technical information and literature, adhesion testing, and compatibility testing are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No.16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
P.R.CHINA
Tel: +86 28 8531 1860
Fax: +86 28 8531 8066
E-mail: guibao@cnguibao.com
www.cnguibao.com



GUIBAO

GUIBAO SILICONE GASKET

FEATURES

- Excellent cold and heat resistance
- Excellent weatherability
- Excellent compression recovery

BASIC USES

- GUIBAO SILICONE GASKET is specially designed for sealing the joints/seams of curtain walls, and aluminium alloy, PVC or wood windows and doors.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
GB/T 531 (ISO 7619)	Hardness	Shore A	Designed ±5	70
GB/T 528 (ISO 37)	Tensile strength	MPa	≥5.0	6.1
GB/T 528 (ISO 37)	Extension at break	%	≥250	300
	Deformation on compression(100 C ×168h)	%	≤35	34

*GB: Chinese National Standard ISO: International Standardization Organization

COLOURS

GUIBAO SILICONE GASKET is available in black and other customized colours.

PACKAGING

GUIBAO SILICONE GASKET is available in rolls, every 10kg or 20kg per roll.

SPECIFICATIONS

GUIBAO SILICONE GASKET is designed to meet or even exceed the requirements of

- Chinese Recommended Specification for Construction Materials [GB/T 24498-2009](#)

STORAGE AND SHELF LIFE

GUIBAO SILICONE GASKET is non-hazardous for transport, and should be stored in dry places under which it has a shelf life of 12 months from the date of manufacture

NOTES

- Installation can be easier and smooth by dipping profiles in silicone oil or saponification liquid.
- Gasket is not allowed to be much pulled and stretched during installation, and the length of the strip must be about 1% longer than the profiles to avoid seal failure caused by strip shrinkage.
- The gasket for the corner of window and door should be cut into 45° angle, and the edge should be kept well connected to prevent cracking when shrinkage occurs.
- If there is breakage of strip, don't set it at the corner.
- Better set it in a longitude direction during installation, but the breakages well and bond firm with adhesives.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
 No.16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
 P.R.CHINA
 Tel: +86 28 8531 1860
 Fax: +86 28 8531 8066
 E-mail: guibao@cnguibao.com
www.cnguibao.com



GUIBAO 561

MILDEWPROOFING SILICONE SEALANT

Environmental friendly neutral silicone sealant suited for mildewproofing seal applications for kitchen and bathroom

FEATURES

- One-part, neutral cure, easy to use
- Mildew proofing
- Excellent adhesion to glass, ceramic and wall tile

BASIC USES

GUIBAO 561 MILDEWPROOFING SILICONE SEALANT is designed for sealing the joints in kitchen and bathroom where high humidity exists and watertight and mildewproofing seal is required such as:

- Sealing around shower-tub enclosures, tubs, sinks, urinals and whirlpools
- Sealing around bathroom fixtures
- Joint sealing in interior decoration
- Ceramic tile grouting

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump(vertical)	mm	≤3	0
GB/T 13477 (ISO 8394)	Extrusion rate	ml/min.	≥80	400
GB/T 13477 (ASTM D2377)	Tack free time	h	≤3	0.2
GB/T 1741	Mildewproofing		Grade-0 Grade -1	Grade-0

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

GUIBAO 561 is available in clear and white.

PACKAGING

GUIBAO 561 is available in disposable cartridges (net 300ml),24 pieces to a carton.

SPECIFICATIONS

GUIBAO 561 is designed to meet or even exceed the requirements of

- Chinese Recommended Specification for Construction Materials [JC/T 885-2016](#)

STORAGE AND SHELF LIFE

GUIBAO 561 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

GUIBAO 561 should not be applied:

- As structural glazing sealant
- To asphalt surfaces
- To surfaces requiring painting on sealants
- When surface temperature below 4℃ or over 50℃

HOW TO USE

Surface Preparation

Clean all joints removing all foreign matter and contaminants such as oil, grease, dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

Application Method

Apply GUIBAO 561 in a continuous operation using dispensing guns. Before a skin forms, tool the sealant with light pressure to spread the sealant against the joint surfaces.

SAFETY INFORMATION

- GUIBAO 561 is a chemical product, not edible, Implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work and curing places.

TECHNICAL SERVICES

Complete technical information and literature, adhesion testing and compatibility testing are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No.16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
P.R.CHINA

Tel: +86 28 8531 1860

Fax: +86 28 8531 8066

E-mail: guibao@cnguibao.com

www.cnguibao.com

GUIBAO 562

MIRROR SILICONE SEALANT

One-part neutral cure silicone sealant ideal for mirror installation



FEATURES

- One-part, neutral cure, easy to use
- Non-corrosive to the coated materials on the back of mirror
- Excellent weatherability
- Long lasting water resistance

BASIC USES

GUIBAO 562 MIRROR SILICONE SEALANT is designed for

- Side or back joint seal of mirror
- Sealing the joints between glass and ceramic tiles, concrete walls, etc.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump	mm	≤3	0
GB/T 13477 (ISO 8394)	Extrusion rate	ml/min.	≥80	500
GB/T 13477 (ASTM D 2377)	Tack free time	h	≤3	0.2
GB/T 13477 (ASTM C 794)	Peel strength	N/mm		4.0

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

GUIBAO 562 is available in clear,white, black and gray.

PACKAGING

GUIBAO 562 is available in disposable cartridges (net 300ml) ,24 pieces to a carton.

SPECIFICATIONS

GUIBAO 562 is designed to meet or even exceed the requirements of

- Chinese corporation specification [Q/71304249-7.004-2017](#)

STORAGE AND SHELF LIFE

GUIBAO 562 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

GUIBAO 562 should not be applied:

- As structural glazing sealant
- To the materials that bleed oils , plasticizers or solvents
- or uncured resin
- To the surfaces requiring painting on sealant
- To underground joints
- To asphalt surfaces
- When surface temperature below 4℃ or over 50℃

HOW TO USE

Surface Preparation

Clean all joints removing all foreign matter and contaminants such as oil, grease, dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

Application Method

Apply GUIBAO 562 in a continuous operation using dispensing guns. Before a skin forms, tool the sealant with light pressure to spread the sealant against joint surfaces. Remove masking tape as soon as the bead is tooled.

SAFETY INFORMATION

- GUIBAO 562 is a chemical product, not edible,Implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work and curing places.

TECHNICAL SERVICES

Complete technical information and literature as well as relevant testings are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No.16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
P.R.CHINA

Tel: +86 28 8531 1860

Fax: +86 28 8531 8066

E-mail: guibao@cnguibao.com

www.cnguibao.com



GUIBAO 563

GENERAL PURPOSE SILICONE SEALANT

One part neutral cure general purpose silicone sealant for interior decoration

FEATURES

- One part, easy to use
- Neutral cure, environment friendly
- Non-corrosive
- Excellent adhesion to ceramics, glass and other home decoration materials

BASIC USES

GUIBAO 563 GENERAL PURPOSE SILICONE SEALANT is designed for

- Watertight seal for the joints of glass, ceramics and other decoration materials
- Joint seal for wall, floor, ceiling, foot lines
- Perimeter seal of home decorations
- Sealing and fixing application in furniture manufacture

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump	mm	≤3	0
GB/T 13477 (ISO 8394)	Extrusion rate	ml/min.	≥80	400
GB/T 13477 (ASTM D 2377)	Tack free time	h	≤3	0.7
GB/T 13477 (ISO 7389)	Extension recovery	%	≥80	85
GB/T 13477 (ASTM C 794)	Peel strength	N/mm		3.0

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

GUIBAO 563 is available in black, white, gray and other customized colours.

PACKAGING

GUIBAO 563 is available in disposable cartridges (net 300ml), 24 pieces to a carton .

SPECIFICATIONS

GUIBAO 563 is designed to meet or even exceed the requirements of

- Chinese corporate specification [GB/T 14683-I-Gn-20HM](#)

STORAGE AND SHELF LIFE

GUIBAO 563 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

GUIBAO 563 should not be applied:

- As structural glazing sealant
- As mirror silicone sealant or mildewproofing silicone sealant
- To the surfaces requiring painting on sealant
- For continuous water immersion
- To underground joint
- To asphalt surfaces
- When surface temperature below 4 °C or over 50 °C

HOW TO USE

Surface Preparation

Clean all joints removing all foreign matter and contaminants such as oil, grease, dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

Application Method

Apply GUIBAO 563 in a continuous operation using dispensing guns. Before a skin forms, tool the sealant with light pressure to spread the sealant against the joint surfaces.

SAFETY INFORMATION

- GUIBAO 563 is a chemical product, not edible, Implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work and curing places.

TECHNICAL SERVICES

Complete technical information and literature as well as relevant testings are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No. 16, Xinyuan Road, Hi-tech Zone, Chengdu 610041

P.R.CHINA

Tel: +86 28 8531 1860

Fax: +86 28 8531 8066

E-mail: guibao@cnguibao.com

www.cnguibao.com



GUIBAO 553

ACETOXY SILICONE SEALANT

One-part acetoxy cure silicone sealants for general purpose applications

FEATURES

- One-part, acetoxy cure, easy to use
- Fast cure rate
- Cures to be durable flexible silicone sealant once exposed to atmospheric moisture
- Excellent water resistance
 - No shrinkage during cure
 - Excellent adhesion to glass, ceramics, etc.
 - Low modulus, excellent extension/compression recovery

BASIC USES

GUIBAO 553 ACETOXY SILICONE SEALANT is designed for

- Window and door glass glazing
- Joint seal for interior/exterior decoration glass
- Joint seal for glass, ceramics, aluminium alloy, plastics, wood, paper, etc.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Standard	Result
GB/T 13477 (ISO 7390)	Slump	mm	≤3	0
GB/T 13477 (ISO 8394)	Extrusion rate	ml/min.	≥80	460
GB/T 13477 (ASTM D 2377)	Tack free time	h	≤3	0.3
GB/T 13477 (ISO 8339)	Tensile modulus	MPa (23 °C)	1	0.61
GB/T 13477	Adhesion at 60% elongation		No failure	No failure

*GB: Chinese National Standard ASTM: American Society for Testing and Materials ISO: International Standardization Organization

COLOURS

GUIBAO 553 is available in clear, black and white.

PACKAGING

GUIBAO 553 is available in net 300ml/280ml plastic cartridges, 24 pieces to a carton.

SPECIFICATIONS

GUIBAO 553 is designed to meet or even exceed the requirements of

- Chinese Corporate Specification [Q/71304249-7.020-2018](#)

STORAGE AND SHELF LIFE

GUIBAO 553 should be stored in original unopened containers. It has a shelf life of 12 months from the date of manufacture.

LIMITATIONS

GUIBAO 553 should not be applied:

- As structural glazing sealant
- For coated glass glazing
 - To the materials that bleed oils, plasticizers or solvents
- or uncured resin
- To the joints with large movement
- To asphalt or stone surfaces
- To underground joints
- When surface temperature below 4 °C or over 50 °C

HOW TO USE

Surface Preparation

Clean all joints removing all foreign matter and contaminants such as oil, grease, dust, water, frost, old sealants, surface dirt, or glazing compounds and protective coatings.

Application Method

Apply GUIBAO 553 in a continuous operation using dispensing guns. Before a skin forms, tool the sealant with light pressure to spread the sealant against the joint surfaces.

SAFETY INFORMATION

- GUIBAO 553 is a chemical product, not edible, Implantation into body is forbidden and it should be kept away from children.
- Cured silicone rubber can be handled without any risk to health.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work and curing places.

TECHNICAL SERVICES

Complete technical information and literature, adhesion testing and compatibility testing are available from GUIBAO.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for specific applications.

Manufacturer

Chengdu Guibao Science and Technology Co., Ltd.
No. 16, Xinyuan Road, Hi-tech Zone, Chengdu 610041
P.R.CHINA

Tel: +86 28 8531 1860

Fax: +86 28 8531 8066

E-mail: guibao@cnguibao.com

www.cnguibao.com