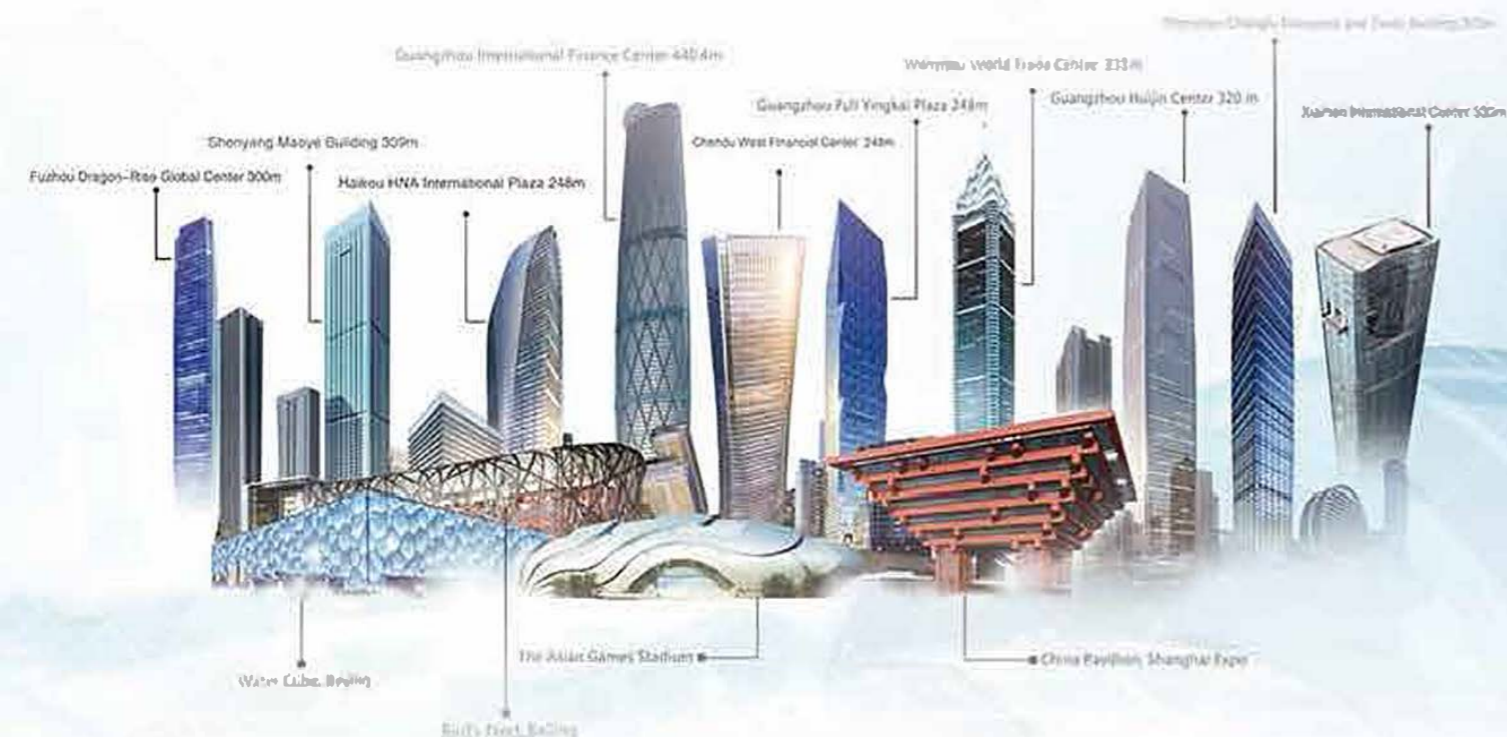




BAI YUN



BAI YUN



BAI YUN Classical Projects

DEDICATED TO BUILDING THE GLOBAL LEADING BRAND OF SILICONE SEALANTS

SILICONE SEALANT

PRODUCT CATALOGUE

GUANGZHOU BAIYUN CHEMICAL INDUSTRY CO.,LTD.



GUANGZHOU BAIYUN CHEMICAL INDUSTRY CO.,LTD.
Building Sealant Industrialization Base Of Ministry Of Construction

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16 Project Case



Guangzhou Baiyun Chemical Industry Co., Ltd. was established in 1985, with manufacturer area 40,000m² and production capacity 120,000 tons/year.

BAI YUN is:

- The first silicone sealant research and production company in China.
- The first manufacturing enterprise of silicone sealant in China.
- The first enterprise to participating in drafting China's first national standard for silicone sealant.
- The first automatic continuous production line of silicone sealant, with independent intellectual property rights and two Chinese excellence patent awards.
- The first super high performance silicone sealant in China, using in the global highest hidden frame glass curtain wall Guangzhou IFC tower.
- The first 50-year Durability Test of silicone sealant in the world.

BAI YUN mission: Dedicated to provide the best products for people

BAI YUN strategic goal: To be the leader of the new chemical materials

BAI YUN core values: Take the responsibility bravely; Create value, share the achievement

1985

BAI YUN was set up in Guangzhou



2002

BAI YUN designed the China's first world class automatic continuous silicone sealant production line.



2006

BAI YUN was the first company in the industry to have been rated as China Famous Brand.



2014

BAI YUN Testing Center become the first CNAS Authorized Silicone sealant Laboratory which has testing capacity of five Standards Series.



1997

BAI YUN in charge of writing the first China National Standard of silicone structural sealant. (GB16776-1997)



2003

Post-doctoral research station was authorized to be set up in BAI YUN.



2008

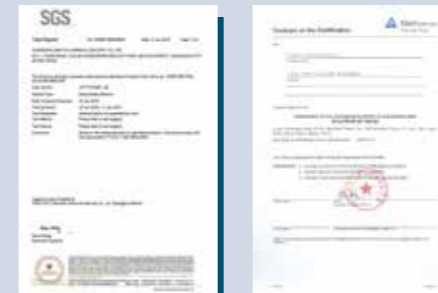
BAI YUN was awarded "International science and technology cooperation base" authorized by China national ministry of science and technology.



2018

BAI YUN was rated as "one of the top ten first-selected brands for construction adhesive" and was ranked the first place.

MANAGEMENT SYSTEMS/STANDARDS



BAI YUN HONORS





▶ Sealant Application skilltraining course

▶ Curtain Wall Safety Application Forum



50-years Durability Research

Besides providing sealants, BAIYUN also focuses on studying durability Performance of silicone Sealant.



▶ This is a glass curtain wall for sealant durability test which was set up in 1997.



▶ American Testing Center (since 2017) Q-Lab Florida Testing Center, Us. The largest outdoor high temperature and humidity aging test center in the world.



▶ Xin Jiang Testing Center(Continental Desert Climate)Temperature: -28°C to 50°C Highest Land temperature: 70°C



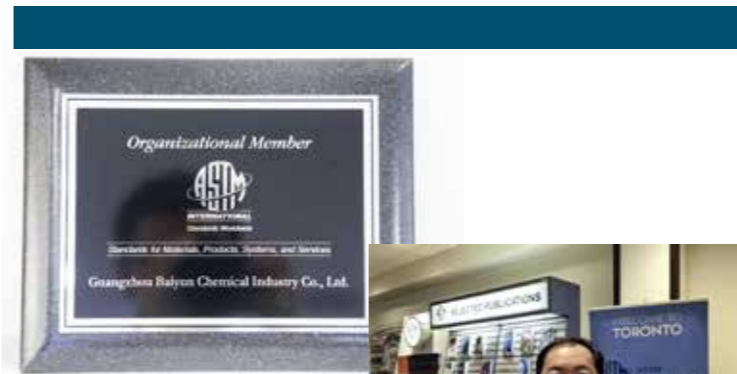
▶ Guangzhou Testing Center (Subtropical Climate) High Humidity



▶ Arizona Testing Center, Us. The largest exposure desert center in the world.



BAI YUN represented the Chinese sealant industry to co-organize the Meeting of ISO/TC59/SC8 on Building sealants and has gained extensive reputation and influence in the international standardization drafting.



BAI YUN is member of ASTM Association. BAI YUN Technical Director-Engr. Zhang delivered a speech on the ASTM conference.



BAI YUN attended Zak World of Facades.



CLIENT FACTORY VISIT



BAI YUN® SS521 Structural Silicone Sealant



Features

- Structural and weather seal capability
- No unpleasant odor during curing,
- Non-corrosive curing system
- Excellent weather ability and high resistance to ultraviolet radiation, heat and humidity, ozone and temperature extremes
- Easy tooling, low VOC formula
- Excellent stability through wide temperature range: -58°F(-50°C) to 302°F(150°C)(fully cured)

Composition

- One-part, neutral-cure
- RTV silicone sealant

Application

- Silicone structural glazing in curtain wall
- Structural attachment of many panel systems
- Protective glazing applications
- Panel stiffener applications

Applicable Standards

- ASTM C1184, Type S, Use G and O
- GB 16776

Colors

- Black, gray and white (standard colors)
- Other wide variety of colors (customized)

Typical Properties

Property	Result	Test method
As Supplied		
Working Time	10-20 minutes	
Tack free time(23°C/73°F, 50% RH)	30-60minutes	ASTM C679
Curing Time	7-14 days	
Full Adhesion	14-21days	
Flow, Sag or Slump	<0.1mm	ASTM C639
VOC Content	<30g/L	
As Cured-After 21days at 23°C(73°F), and 50% RH		
Durometer Hardness, Shore A	45	ASTM C661
Ultimate Tensile Strength	1.10 MPa	ASTM C1135
Ultimate Elongation	260%	ASTM C 1135
Tear Strength ,Die B	10kN	ASTM D624
Peel Strength	41ppi	ASTM C794
As Cured-After 21days at 23°C(73°F), and 50% RH followed by 5,000 hours in a QUV weatherometer,ASTM G53		
Tensile Strength,at 100% elongation	0.60 MPa	ASTM C1135
Ultimate Tensile strength,at break	1.10 MPa	ASTM C1135
Specifications: Typical property data values should not be used as specifications. Assistance with specifications are available by contacting Guangzhou Baiyun Chemical Industry CO., LTD.		

Package

500ML sausage

Storage and shelf life

12 months from the date of manufacture when stored at or below 27°C (80°F) in the original unopened containers.

BAI YUN® SS721 Big Glass Silicone Glazing Sealant



Features

- Good extrusion and thixotropy between 4°C~+40°C, easy to use
- Acetoxycure, fast curing, Translucent
- Excellent adhesion to glass and ceramics
- Excellent resistance to weather, , UV, ozone, water;
- Remains flexible over a temperature range of -58°F(-50°C) to 302°F(150°C)

Composition

- One-part, acetoxycure
- RTV silicone sealant

Applications

- Glazing
- Sealing in glass joints
- glazing in glass curtain wall
- glazing in big glass and glass roof structural engineering

Applicable Standards

- ASTM C1184, Type S, Use G

Colors

Available in translucent.

Typical Properties

Property	Result	Test method
As Supplied		
Working Time	10-20 minutes	
Tack free time(23°C/73°F, 50% RH)	30-60minutes	ASTM C679
Curing Time	7-14 days	
Full Adhesion	14-21days	
Flow, Sag or Slump	<0.1mm	ASTM C639
VOC Content	<40g/L	
As Cured-After 21days at 23°C(73°F), and 50% RH		
Durometer Hardness, Shore A	20-60	ASTM C661
Ultimate Tensile Strength	0.68MPa	ASTM C1135
Ultimate Elongation	100%	ASTM C 1135
Tear Strength ,Die B	5800N/m	ASTM D624
Peel Strength	36ppi	ASTM C794
Specifications: Typical property data values should not be used as specifications. Assistance with specifications are available by contacting Guangzhou Baiyun Chemical Industry CO., LTD.		

Package

300 ML cartridge.

Storage and shelf life

6 months from the date of manufacture when stored at or below 27°C (80°F) in the original unopened containers.

BAI YUN® SS621 High Performance Structural Silicone Sealant



Features

- Structural and weather seal capability
- No unpleasant odor during curing,
- Non-corrosive curing system
- Excellent weather ability and high resistance to ultraviolet radiation, heat and humidity, ozone and temperature extremes
- 12-month shelf life, no lot matching of components
- Easy tooling, low VOC formula
- Excellent stability through wide temperature range: -58°F(-50°C) to 302°F(150°C)(fully cured)

Composition

- One-part, neutral-cure
- RTV silicone sealant

Applications

- Silicone structural glazing in curtain wall
- Structural attachment of many panel systems
- Protective glazing applications
- Panel stiffener applications

Applicable Standards

- ASTM C1184, Type S, Use G and O
- GB 16776

Colors

- Black, gray and white (standard colors)
- Other wide variety of colors (customized)

Typical Properties

Property	Result	Test method
As Supplied		
Color	Black, ray,white	
Working Time	10-20 minutes	
Tack free time(23°C/73°F, 50% RH)	30-60minutes	ASTM C679
Curing Time	7-14 days	
Full Adhesion	14-21days	
Flow, Sag or Slump	<0.1mm	ASTM C639
Specific Gravity	1.34	ASTM D1475
VOC Content	<32g/L	
As Cured-After 21days at 23°C(73°F), and 50% RH		
Durometer Hardness, Shore A	45	ASTM C661
Ultimate Tensile Strength	1.30MPa	ASTM C1135
Ultimate Elongation	300%	ASTM C 1135
Tear Strength ,Die B	11kN/m	ASTM D624
Peel Strength	43ppi	ASTM C794
As Cured-After 21days at 23°C(73°F), and 50% RH followed by 5,000 hours in a QUV weatherometer,ASTM G53		
Tensile Strength,at 100% elongation	0.80 MPa	ASTM C1135
Ultimate Tensile strength,at break	1.20 MPa	ASTM C1135
Specifications: Typical property data values should not be used as specifications. Assistance with specifications are available by contacting Guangzhou Baiyun Chemical Industry CO., LTD.		

Package

300 ML cartridge and 590 ML sausage.

Storage and shelf life

12 months from the date of manufacture when stored at or below 27°C (80°F) in the original unopened containers.

BAI YUN® SS821 Structural Silicone Sealant (Translucent)



Features

- Excellent structural bonding ability
- No unpleasant odor during curing
- Non-corrosive curing system
- Neutral curing, high tensile strength, fast curing, Translucent.
- Excellent resistance to weather
- Remains flexible over a temperature range of -58°F(-50°C) to 302°F(150°C)
- Successfully tested for use in protective glazing applications
- Excellent adhesion to glass and ceramics.
- Good compatibility with other neutral silicone sealants

Composition

- One-part, neutral-curing
- RTV silicone sealant

Applications

- Glazing
- Sealing in glass joints
- Structural glazing in glass curtain wall
- Structural glazing in big glass and glass roof structural engineering

Applicable Standards

- ASTM C1184, Type S, Use G and O

Colors

- Available in translucent

Typical Properties

Property	Result	Test method
As Supplied		
Color	Translucent	
Working Time	10-15 minutes	
Tack free time (23°C/73°F, 50% RH)	10minutes	ASTM C679
Curing Time	7-14 days	
Full curing	14-21days	
Flow, Sag or Slump	<0.1mm	ASTM C639
Specific Gravity	1.0g/cm³	ASTM D1475
VOC Content	40-50g/L	
As Cured-After 21days at 23°C(73°F), and 50% RH		
Durometer Hardness, Shore A	20-60	ASTM C661
Ultimate Tensile Strength	0.80MPa	ASTM C1135
Ultimate Elongation	200%	ASTM C 1135
Tear Strength ,Die B	7500N/m	ASTM D624
Peel Strength	35ppi	ASTM C794
As Cured-After 21days at 23°C(73°F), and 50% RH followed by 5,000 hours in a QUV weatherometer, ASTM G53		
Tensile Strength, at 100% elongation	0.56 MPa	ASTM C1135
Ultimate Tensile strength, at break	0.75 MPa	ASTM C1135
Specifications: Typical property data values should not be used as specifications. Assistance with specifications are available by contacting Guangzhou Baiyun Chemical Industry CO., LTD.		

Package

300 ML cartridge

Storage and shelf life

12 months from the date of manufacture when stored at or below 27°C (80°F) in the original unopened containers.

BAI YUN® SS628 Two Part Structural Silicone Sealant



Features

- High level of mechanic properties: High strength
- Non-corrosive curing system
- No unpleasant odor during curing.
- Excellent weather ability and high resistance to ultraviolet radiation, heat and humidity, ozone and temperature extremes
- Remains flexible over a temperature range of -58°F(-50°C) to 302°F (150°C)
- Successfully tested for using in protective glazing applications

- Excellent unprimed adhesion to wide range of substrates including coated, enameled and reflective glasses, anodized and polyester coated or painted aluminum profiles
- Good compatibility with other neutral silicone sealants

Composition

- Two-part, neutral-curing
- RTV silicone sealant

Application

- As a secondary edge adhesive sealant in insulating glass units.
- Structural attachment of many panel systems.
- Protective glazing applications
- Panel stiffener applications

Applicable Standards

- ASTM C1184, Type M, Use G and O
- GB 16776

Colors

- Part A(Base): White; Part B(Catalyst): Black; After Mixed: Black.

Typical Properties

Property	Result	Test method
Base-As Supplied		
Color	White	
Physical Form	Paste	
Specific Gravity	1.38g/cm ³	ASTM D1475
Catalyst-As Supplied		
Color	Black	
Physical Form	Viscous Paste	
Specific Gravity	1.04 g/cm ³	ASTM D1475
As catalyzed		
Color	Black	
Specific Gravity	1.35g/cm ³	ASTM D1475
Tooling Time(23°C/73°F, 50% RH)	10-20minutes	
Snap time(23°C/73°F, 50% RH)	20-70mim	
Flow, Sag or Slump	<0.1mm	ASTM C639
Mix Ratio(By volume)	A:B = 9-11:1	
Recommend Mix Ratio(By volume)	A:B=10:1	
VOC Content	<40g/L	
As cured - After 21 days at 23°C (73°F) and 50% RH		
Durometer Hardness, Shore A	45	ASTM C661
Ultimate Tensile Strength	1.10MPa	ASTM C 1135
Ultimate Elongation	200%	ASTM C 1135
Tear Strength ,Die B	8 kN/m	ASTM D624
Specifications: Typical property data values should not be used as specifications. Assistance with specifications are available by contacting Guangzhou Baiyun Chemical Industry CO., LTD.		

Package

Part A(Base): 189 L drum

Part B(Catalyst): 19 L drum

Storage and shelf life

12 months from the date of manufacture when stored at or below 27°C (80°F) in the original unopened containers.

BAI YUN® SS511B Weather Proofing Silicone Sealant



Features

- Joint Movement Capability ±35% of the original joint width
- No unpleasant odor during curing, Neutral curing
- Non-corrosive curing system
- Excellent weather ability and high resistance to ultraviolet radiation, heat and humidity, ozone and temperature extremes
- Remains flexible over a temperature range of -58°F(-50°C) to 302°F (150°C)
- Excellent unprimed adhesion to wide range of substrates including coated, enameled and reflective glasses, anodized and polyester coated or painted aluminum profiles

Composition

- One-part, neutral-curing
- RTV silicone sealant

Applications

- Weather sealing in glass curtain wall joints, metal, enamel curtain wall joints
- Sealing in expansion joints for concrete, plastic and metal etc
- Sealing in roof joints
- Many other uses

Applicable Standards

- ASTM C920; Type S, Grade NS, Class 35, Use NT, A, G, O

Colors

- Black, gray and white (standard colors)
- Other wide variety of colors (customized)

Typical Properties

Property	Result	Test method
Uncured-As Tested at 23°C (73°F) and 50% RH		
Working time (23°C/73°F, 50% RH)	10-20minutes	
Tack-free time (23°C/73°F, 50% RH)	60minutes	ASTM C679
Curing time (23°C/73°F, 50% RH)	7-14 days	
Flow, Sag or Slump	<0.1mm	ASTM C639
VOC Content	<39g/L	
As Cured-After 21 days at 23°C (73°F) and 50% RH		
Durometer Hardness, Shore A	25-45	ASTM C661
Peel Strength	29lb/in	ASTM
Joint Movement Capability	±35%	ASTM C719
Tensile Adhesion Strength		
AT 25% extension	0.302MPa	ASTM C1135
AT 50% extension	0.469MPa	ASTM C1135
Specifications: Typical property data values should not be used as specifications. Assistance with specifications are available by contacting Guangzhou Baiyun Chemical Industry CO., LTD.		

Package

500ML sausage

Storage and shelf life

12 months from the date of manufacture when stored at or below 27°C (80°F) in the original unopened containers.

BAI YUN® SS622 Two Part Structural Silicone Sealant



Features

- High strength, Structural capability
- Excellent unprimed adhesion to wide range of substrates including coated, enameled and reflective glasses, anodized and polyester coated or painted aluminum profiles
- Non-corrosive curing system.
- No unpleasant odor during curing.
- Remains flexible over a temperature range of -58°F(-50°C) to 302°F (150°C)
- Good Compatible with most of substrates without primer.

Composition

- Two-parts, neutral-curing
- RTV silicone sealant

Applications

- Protective glazing applications
- Structural bonding for curtain wall panel systems or other application
- Panel stiffener applications

Applicable Standards

- ASTM C1184, Type M, Use G and O
- GB 16776

Colors

- Part A(Base): White; Part B(Catalyst): Black; After Mixed: Black.

Typical Properties

Property	Result	Test method
Base-As Supplied		
Color	White	
Physical Form	Paste	
Specific Gravity	1.38 g/cm ³	ASTM D1475
Catalyst-As Supplied		
Color	Black	
Physical Form	Viscous Paste	
Specific Gravity	1.04 g/cm ³	ASTM D1475
As catalyzed		
Color	Black	
Specific Gravity	1.35 g/cm ³	ASTM D1475
Tooling Time(23°C/73°F, 50% RH)	10-20minutes	
Snap time(23°C/73°F, 50% RH)	20-70mim	
Flow, Sag or Slump	<0.1mm	ASTM C639
Mix Ratio (By Volume)	A:B=9:1 to 11:1	
Recommend Mix Ratio (By Volume)	A:B=10:1	
VOC Content	<39g/L	
As cured - After 21 days at 23°C (73°F) and 50% RH		
Durometer Hardness, Shore A	45	ASTM C661
Ultimate Tensile Strength	1.30MPa	ASTM C 1135
Ultimate Elongation	220%	ASTM C 1135
Tear Strength ,Die B	9 kN/m	ASTM D624
Structural Glazing Spec	Passes	ASTM C1135
Specifications: Typical property data values should not be used as specifications. Assistance with specifications are available by contacting Guangzhou Baiyun Chemical Industry CO., LTD.		

Package

Part A(Base): 189 L drum

Part B(Catalyst): 19 L pail

Storage and shelf life

12 months from the date of manufacture when stored at or below 27°C (80°F) in the original unopened containers.

BAI YUN® SS811 High Performance Weather-Proof Silicone Sealant



Features

- Extension/compression movement capability of up to ±50% of the original joint width
- No unpleasant odor during curing,
- Non-corrosive curing system
- Excellent weather-ability and high resistance to ultraviolet radiation, heat and humidity, ozone and temperature extremes
- Remains flexible over a temperature range of -58°F(-50°C) to 302°F (150°C)
- Excellent unprimed adhesion to wide range of substrates including coated, enameled and reflective glasses, anodized and polyester coated or painted aluminum profiles

Composition

- One-part, neutral-curing
- RTV silicone sealant

Applications

- Weather seal in glass curtain wall joints
- Weather seal in metal, enamel curtain wall joints
- Sealing for expansion joints of concrete, plastic and metal etc.
- Sealing in roof joints and ACP curtain wall
- Other application

Applicable Standards

- ASTM C920; Type S, Grade NS, Class50, Use NT, A, G, M, O

Colors

- Black, gray and white (standard colors)
- Other wide variety of colors (customized)

Typical Properties

Property	Result	Test method
Uncured-As Tested at 23°C (73°F) and 50% RH		
Working time(23°C/73°F, 50% RH)	10-20minutes	
Tack-free time(23°C/73°F, 50% RH)	30-60 minutes	ASTM C679
Curing time(23°C/73°F, 50% RH)	7-14 days	
Flow, Sag or Slump	<0.1mm	ASTM C639
VOC Content	<38g/L	
As Cured-After 21 days at 23°C (73°F) and 50% RH		
Durometer Hardness, Shore A	20-45	ASTM C661
Peel Strength	30lb/in	ASTM C794
Joint Movement Capability	±50%	ASTM C719
Tensile Adhesion Strength		
AT 25% extension	0.312MPa	ASTM C1135
AT 50% extension	0.408MPa	ASTM C1135
Specifications: Typical property data values should not be used as specifications. Assistance with specifications are available by contacting Guangzhou Baiyun Chemical Industry CO., LTD.		

Package

300 ML cartridge and 500 ML sausage

Storage and shelf life

12 months from the date of manufacture when stored at or below 27°C (80°F) in the original unopened containers.

BAI YUN® SS601E Construction & Glazing Silicone Sealant



Features

- Extension/compression movement capability of up to ±25% of the original joint width
- No unpleasant odor during curing,
- Non-corrosive curing system
- Excellent weather ability and high resistance to ultraviolet radiation, heat and humidity, ozone and temperature extremes
- Remains flexible over a temperature range of -58°F(-50°C) to 302°F (150°C)
- Excellent unprimed adhesion to wide range of substrates including coated, enameled and reflective glasses, anodized and polyester coated or painted aluminum profiles

Composition

- One-part, neutral-curing
- RTV silicone sealant

Application

- Sealing joints for all types of doors and windows
- sealing for glass curtain wall joints
- sealing for metal, enamel curtain wall joints
- Sealing for expansion joints for concrete, metal etc.
- Sealing for roof joints
- Other application

Applicable Standards

- ASTM C920; Type S, Grade NS, Class 25, Use NT, A, G, O

Typical Properties

Property	Result	Test method
Uncured-As Tested at 23°C (73°F) and 50% RH		
Working time (23°C/73°F, 50% RH)	10-20minutes	
Tack-free time (23°C/73°F, 50% RH)	60minutes	ASTM C679
Curing time (23°C/73°F, 50% RH)	7-14 days	
Flow, Sag or Slump	<0.1mm	ASTM C639
VOC Content	<39g/L	
As Cured-After 21 days at 23°C (73°F) and 50% RH		
Durometer Hardness, Shore A	25-45	ASTM C661
Peel Strength	29lb/in	ASTM C794
Joint Movement Capability	±25%	ASTM C719
Specifications: Typical property data values should not be used as specifications. Assistance with specifications are available by contacting Guangzhou Baiyun Chemical Industry CO., LTD.		

Colors

- Black, gray and white (standard colors)
- Other wide variety of colors (customized)

Package

590ML sausage

Storage and shelf life

12 months from the date of manufacture when stored at or below 27°C (80°F) in the original unopened containers.

BAI YUN® SS550 Neutral Silicone Sealant



Features

- Apply at the temperature between 4-40°C. Easy to operate
- Neutral curing, non-corrosive curing system
- No unpleasant odor during cure
- Excellent resistance to weather, UV, ozone, water
- Good adhesion to most common building material without priming
- Good compatibility with other neutral silicone sealants

Composition

- One-part, neutral-curing
- RTV silicone sealant

Applicable Standards

- GB/T 22083 Class 12.5
- ISO11600-F-12.5E
- ASTM C920; Type S, Grade NS, Class 12.5, Use NT, A, G, M, O

Colors

- Black, gray and white (standard colors)
- Other wide variety of colors (customized)

Package

300ML cartridge and 590ML sausage

Storage and shelf life

12 months from the date of manufacture when stored at or below 27°C (80°F) in the original unopened containers.

Typical Properties

Property	Result	Test method
Uncured-As Tested at 23°C (73°F) and 50% RH		
Specific Gravity	1.50	ASTM D1475
Working time(23°C/73°F, 50% RH)	10-20minutes	
Tack-free time(23°C/73°F, 50% RH)	60 minutes	ASTM C679
Curing time(23°C/73°F, 50% RH)	7-14 days	
Flow, Sag or Slump	<0.1mm	ASTM C639
VOC Content	<39g/L	
As Cured-After 21 days at 23°C (73°F) and 50% RH		
Durometer Hardness, Shore A	20-60	ASTM C661
Peel Strength	28lb/in	ASTM C794
Joint Movement Capability	±12.5%	ASTM C719
Tensile Adhesion Strength		
AT 25% extension	0.275MPa	ASTM C1135
AT 50% extension	0.468MPa	ASTM C1135
Specifications: Typical property data values should not be used as specifications. Assistance with specifications are available by contacting Guangzhou Baiyun Chemical Industry CO., LTD.		

BAI YUN® SMP651 Silane Modified Polyether Sealant



Features

- Environmental friendly: low VOC, nonpoisonous, no staining or corrosion to substrate.
- Paintable: can be painted with most coatings, outstanding compatibility.
- Excellent workability: single component, good extrusion between 4~40°C, very easy to tool.
- Outstanding adhesion: bond to most construction materials without primes.
- Movement Capability:±25%, exhibit stable performances during normal shape change from stretch and shearing of joint inside the constructions.
- Excellent physical properties: Excellent weather resistance, excellent resistance to aging.

Applications

- Sealing for building joints or cracks for indoors decoration(ceiling, kitchen, windows, walls).

Package

590 ML sausage

Colors

- Black, gray and white (standard colors)
- Other wide variety of colors (customized)

Typical Properties

Property	Result	Test method
Tack-Free Time(min)	30~60	ASTM C679
Specific Gravity(g/cm³)	1.40~1.60	ASTM
Hardness(Shore A)	10~30	ASTM C661
Joint Movement Capacity(%)	±25	ASTM C920
Adhesion and Cohesion under Cyclic Movement	No failure	ASTM C719
Adhesion-in-Peel	Use Aluminium Peel strength	122N
	Use Mortar Peel strength	114.5N
Adhesion-in-Peel Exposed to UV (200h)	Use Glass Peel strength	109.8N
Effects of Accelerated Weathering (250h)	Appearance	No cracks
	Bend test (-26 C)	No cracks
Shelf Life(month)	12	

Specifications

ASTM C920 Class 25

Storage and shelf life

12 months from date of manufacture when stored at or below 27°C (80°F) in the original unopened containers.

BAI YUN® SS850 Neutral Silicone Sealant



Features

- Good extrusion and thixotropy between 4°C~+40°C. Easy to use
- Neutral curing, non-corrosive curing system
- No unpleasant odor during curing
- Excellent resistance to weather, UV, ozone, water
- Good adhesion to most common building material
- Good compatibility with other neutral silicone sealants

Composition

- One-part, neutral-curing
- RTV silicone sealant

Applications

- Sealing gaps or joints of doors and windows
- Sealing joints
- Many other uses

Applicable Standards

- ASTM C920; Type S, Grade NS, Class 12.5, Use NT, A, G, M, O

Colors

- Black, gray and white (standard colors)
- Other wide variety of colors (customized)

Package

300 ML cartridge and 500 ML sausage

Storage and shelf life

12 months from the date of manufacture when stored at or below 27°C (80°F) in the original unopened containers.

Typical Properties

Property	Result	Test method
Uncured-As Tested at 23°C (73°F) and 50% RH		
Specific Gravity	1.5	ASTM D1475
Working time(23°C/73°F, 50% RH)	10-20minutes	
Tack-free time(23°C/73°F, 50% RH)	30-60 minutes	ASTM C679
Curing time(23°C/73°F, 50% RH)	7-14 days	
Flow, Sag or Slump	<0.1mm	ASTM C639
VOC Content	<39g/L	
As Cured-After 21 days at 23°C (73°F) and 50% RH		
Durometer Hardness, Shore A	20-60	ASTM C661
Peel Strength	28lb/in	ASTM C794
Joint Movement Capability	±12.5%	ASTM C719
Tensile Adhesion Strength		
AT 25% elongation	0.175MPa	ASTM C1135
AT 50% elongation	0.268MPa	ASTM C1135
Specifications: Typical property data values should not be used as specifications. Assistance with specifications are available by contacting Guangzhou Baiyun Chemical Industry CO., LTD.		

BAI YUN® SS616 Insulating Glass Silicone Sealant



Features

- The curing speed can be adjustable, and the deep-seated curing speed is fast, and it is suitable to be used in the factory
- Neutral curing, non-corrosive to metal, coated glass etc.
- High modulus and high strength
- No unpleasant odor during curing
- Excellent resistance to weather, UV, ozone, water
- Remains flexible over a temperature range of -58°F(-50°C) to 302°F(150°C)
- Good compatibility with other neutral silicone sealants

Composition

- Two-part, neutral-curing
- RTV silicone sealant

Applications

- As a secondary edge adhesive sealant in insulating glass units

Applicable Standards

EN1279-4

Colors

Part A(Base): White; Part B(Catalyst): Black; After Mixed: Black

Package

Part A(Base): 189 L drum
Part B(Catalyst): 19 L drum

Typical Properties

Property	Result	Test method
Base-As Supplied		
Color	White	
Physical Form	Paste	
Specific Gravity	1.48g/cm ³	ASTM D1475
Catalyst-As Supplied		
Color	Black	
Physical Form	Viscous Paste	
Specific Gravity	1.04g/cm ³	ASTM D1475
As catalyzed		
Color	Black	
Specific Gravity	1.42g/cm ³	ASTM D1475
Tooling Time(23°C/73°F, 50% RH)	10-20minutes	
Snap time(23°C/73°F, 50% RH)	20-70mim	
Flow, Sag or Slump	<0.1mm	ASTM C639
Mix Ratio(By volume)	A:B = 9-11:1	
Recommend Mix Ratio(By volume)	A:B=10:1	
VOC Content	<40g/L	
As cured - After 21 days at 23°C (73°F) and 50% RH		
Durometer Hardness, Shore A	48	ASTM C661
Ultimate Tensile Strength	0.9MPa	ASTM C 1135
Ultimate Elongation	110%	ASTM C 1135
Water Vapor Permeability	15.1g/m ² /24h	EN1279

Specifications: Typical property data values should not be used as specifications. Assistance with specifications are available by contacting Guangzhou Baiyun Chemical Industry CO., LTD.

BAI YUN® SSSS528 Insulating Glass Structural Silicone Sealant



Features

- Structural capability as a secondary sealant for insulating glass units
- High level of mechanic properties: high modulus, high strength
- Fast curing, successfully tested for using non-protective glazing applications
- No unpleasant odor during curing, on-corrosive curing system.
- Excellent weather ability and high resistance to ultraviolet radiation, heat and humidity, ozone and temperature extremes
- Remains flexible over a temperature range of -58°F(-50°C) to 302°F(150°C)

Composition

- Two-part, neutral-curing
- RTV silicone sealant

Application

- Sealing secondary edge of insulating glass in structural glazing applications

Applicable Standards

- ASTM C1369
- EN1279-4

Colors

Part A(Base): White; Part B(Catalyst): Black; After Mixed: Black.

Package

Part A(Base): 189 L drum
Part B(Catalyst): 19 L drum

Typical Properties

Property	Result	Test method
Base-As Supplied		
Color	White	
Physical Form	Paste	
Specific Gravity	1.38g/cm ³	ASTM D1475
Catalyst-As Supplied		
Color	Black	
Physical Form	Viscous Paste	
Specific Gravity	1.04 g/cm ³	ASTM D1475
As catalyzed		
Color	Black	
Specific Gravity	1.35g/cm ³	ASTM D1475
Tooling Time(23°C/73°F, 50% RH)	10-20minutes	
Snap time(23°C/73°F, 50% RH)	20-70mim	
Flow, Sag or Slump	<0.1mm	ASTM C639
Mix Ratio(By volume)	A:B = 9-11:1	
Recommend Mix Ratio(By volume)	A:B=10:1	
VOC Content	< 40g/L	
As cured - After 21 days at 23°C (73°F) and 50% RH		
Durometer Hardness, Shore A	45	ASTM C661
Ultimate Tensile Strength	1.0MPa	ASTM C 1135
Ultimate Elongation	170%	ASTM C 1135
Water Vapor Permeability	17.5g/m ² /24h	EN1279

Specifications: Typical property data values should not be used as specifications. Assistance with specifications are available by contacting Guangzhou Baiyun Chemical Industry CO., LTD.

Storage and shelf life

12 months from the date of manufacture when stored at or below 27°C (80°F) in the original unopened containers.

BAI YUN® SSS602 Stone Weather-Proof Silicone Sealant



Features

- Apply at the temperature between 4°C~40°C. Easy to operate.
- Neutral curing, non-corrosive to metal, coated glass, marble, granite etc.
- No inert low-molecular-weight components in the formulation like plasticizer and pollution-free to porous materials like marble, granite. Excellent sealing and decoration. Common silicone sealant, especially silicone weather-proofing sealant, easy to bring on pollution, is unsuitable for stone curtain wall
- Excellent adhesion to all types of marble and granite
- No unpleasant odor during curing
- Excellent resistance to weather, UV, ozone, water
- Remains flexible over a temperature range of -58°F(-50°C) to 302°F(150°C)
- Good compatibility with other neutral silicone sealants

Composition

- One-part, neutral-curing
- RTV silicone sealant

Applicable Standards

- GB/T 23261, Class 25
- ASTM C920; Type S, Grade NS, Class 25, Use NT, A, G, M, O
- ASTM C1248

Colors

- Black, gray and white (standard colors)
- Other wide variety of colors (customized)

Typical Properties

Property	Result	Test method
As Supplied		
Working Time	10-20 minutes	
Tack free time(23°C/73°F, 50% RH)	30-60minutes	ASTM C679
Curing Time	7-14 days	
Full Adhesion	14-21days	
Flow, Sag or Slump	<0.1mm	ASTM C639
VOC Content	<40g/L	
As Cured-After 21days at 23°C(73°F), and 50% RH		
Durometer Hardness, Shore A	20-60	ASTM C661
Ultimate Tensile Strength	0.68MPa	ASTM C1135
Ultimate Elongation	100%	ASTM C 1135
Tear Strength ,Die B	5800N/m	ASTM D624
Peel Strength	36ppi	ASTM C794

Specifications: Typical property data values should not be used as specifications. Assistance with specifications are available by contacting Guangzhou Baiyun Chemical Industry CO., LTD.

Package

300 ML cartridges and 590 ML sausage.

Storage and shelf life

12 months from the date of manufacture when stored at or below 27°C (80°F) in the original unopened containers.

BAI YUN® SS602D Two Part Epoxy Adhesive



Features

- High modulus, High strength.
- Fast curing and no flow.
- Non-corrosive to metal, concrete, glass, marble, granite.
- Pollution-free to stone, Excellent weather durability.

Composition

- Two-part
- Epoxy resin adhesive

Application

- Adhesion and sealing in expansion joint for stone, metal, glass and concrete etc.
- Adhesion and sealing in expansion joints for stone curtain wall of dry-fixing and metal pieces.
- Adhesion and sealing in expansion joint for floor tile and ceramic tile.
- Planting reinforcement, reinforced structure, joint reinforcement.

Colors

Part A(Base): White; Part B(Catalyst): Yellow; After Mixed: Pale Yellow.

Package

Part A(Base): 12 kg drum
Part B(Catalyst): 12 kg drum

Storage and shelf life

12 months from the date of manufacture when stored at or below 27°C (80°F) in the original unopened containers.

For Dry-fixing Stone

Typical Properties

Property	Result	Test method
As Supplied		
Color	Translucent	
Working Time	10-15 minutes	
Tack free time (23°C/73°F, 50% RH)	10minutes	ASTM C679
Curing Time	7-14 days	
Full curing	14-21days	
Flow, Sag or Slump	<0.1mm	ASTM C639
Specific Gravity	1.0g/cm ³	ASTM D1475
VOC Content	40-50g/L	
As Cured-After 21days at 23°C(73°F), and 50% RH		
Durometer Hardness, Shore A	20-60	ASTM C661
Ultimate Tensile Strength	0.80MPa	ASTM C1135
Ultimate Elongation	200%	ASTM C 1135
Tear Strength, Die B	7500N/m	ASTM D624
Peel Strength	35ppi	ASTM C794
As Cured-After 21days at 23°C(73°F), and 50% RH followed by 5,000 hours in a QUV weatherometer, ASTM G53		
Tensile Strength, at 100% elongation	0.56 MPa	ASTM C1135
Ultimate Tensile strength, at break	0.75 MPa	ASTM C1135

Specifications: Typical property data values should not be used as specifications. Assistance with specifications are available by contacting Guangzhou Baiyun Chemical Industry CO., LTD.

BAI YUN® DJ-A3-SS607E Flame Resistant Silicone Sealant



Features

- Outstanding flame resistance, V-0;
- No fume and toxic gas released on fire;
- Good extrusion and thixotropy between 4°C~+40°C. Easy to use;
- Neutral curing, non-corrosive to metal, coated glass etc;
- Excellent resistance to weather, UV, ozone, water;
- Remains flexible over a temperature range of -58°F (-50°C) to 302°F(150°C)
- Good adhesion to most common material;
- Good compatibility with other neutral silicone sealants.

Composition

- One-part, neutral-curing
- RTV silicone sealant

Applications

- Flame resistance waterproof and moisture proof sealing for hotel, theatre and other public places;
- Glazing for all kinds of flame resistant windows and doors;
- Flame resistance Joint sealing for curtain wall fire resistant system;
- Flame resistance sealing for electronic installation;
- Many other industrial uses.

Applicable Standards

GB 23864

Typical Properties

Property	Result	Test method
Uncured-As Tested at 23°C (73°F) and 50% RH		
Working time(23°C/73°F, 50% RH)	10-20minutes	
Tack-free time(23°C/73°F, 50% RH)	10-40 minutes	GB/T13477
Curing time(23°C/73°F, 50% RH)	7-14 days	
Flow, Sag or Slump	<0.1mm	GB/T13477
As Cured-After 21 days at 23°C (73°F) and 50% RH		
Durometer Hardness, Shore A	20-35	GB16776
Joint Movement Capability	±25%	GB/T13477
Flame Resistant	A3	GB 23864

Specifications: Typical property data values should not be used as specifications. Assistance with specifications are available by contacting Guangzhou Baiyun Chemical Industry CO., LTD.

Colors

Black, gray and white (standard colors)

Packaging

300 ML cartridge

Usable life and storage

12 months from the date of manufacture when stored at or below 27°C (80°F) in the original unopened containers.

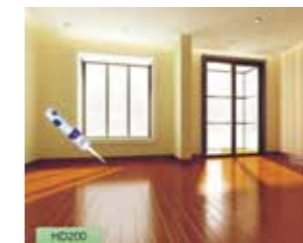
BAI YUN® HD200 Liquid Nail



Features

- Solvent-free green adhesive
- High bond strength,
- A wide range of bonding materials,
- Suitable for fixed connections between wood, ceramic tiles, stone, concrete, metal, and plastic materials
- No damage to the wall, no noise and dust pollution during application

Application Guide



Composition

- Two-part, Neutral cure
- RTV sealant

Application

- Suitable for bonding & fixing a variety of wood, wood flooring, wood wall panels, door lines, plaster lines, skirting, all kinds of decorative pendants and various decoration projects .
- Applicable to bond and fix a various types of materials such as boards & panels, calligraphy and painting, signs, acrylic, fiberglass, metal, particleboard, plasterboard, etc.
- Suitable for professionals and home DIY .

Applicable standards

Q/BYHG 2

Colors

- Black, White, Grey
- Application Guide

Package

300ML

Storage and shelf life

12 months from the Date of Manufacture

BAI YUN® HD108 Anti-mildew Sealant



Features

- Sealing to prevent mold and mildew applicable to a wide range of bonding materials
- Environmental-friendly, especially good for bonding and sealing in kitchen and bathroom
- Good aesthetic performance for kitchen and bathroom.

Application

- Mildew-resistant sealing
- Waterproofing for installation of kitchen equipment such as cupboard and bathroom suites and bidets

Package

300ML

Shelf life

12 Months from the Date of Manufacture

Applicable standards

JC/T 885

Application Guide



BAI YUN® HD106 Aesthetic Grout



Features

- Anti-mildew sealing, waterproof sealing, beautify the ceramic gap.
- No cracking, bright surface.
- Lasting bacteriostasis and mildew-resistance.
- Environmental protection, good construction performance.

Composition

- Two-part, Neutral cure
- RTV sealant

Application

- Sealing the gap between ceramics. Beautify the decoration of your home.
- Joint sealing in kitchen, bathroom, hotel decoration and home decoration, and has no irritation or unpleasant smell during use.
- Installation, waterproofing, leaking stopping and decoration of kitchen and sanitary wares such as bathtubs, closets, hand washing basins, shower rooms and vegetable washing basins in hotels and families.

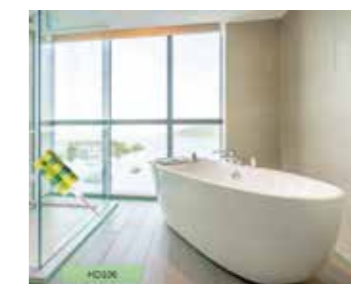
Applicable Standards

Q/BYHG 17

Colors



Application Guide



Package

400ML, Two Tubes

Shelf life

12 months from the Date of Manufacture

China



Water Cube



Bird's Nest

China Pavilion



Guangzhou IFC(440.4m)



Beijing Capital Airport

China

Shenzhen Changfu Jinmao Building (303.6m)



Shanghai Pudong International Airport



Central Military Commission Building



Shanghai Magnolia Plaza (320m)



Xiamen International Center



Philippines



Double Dragon Plaza



Ctp Asean Tower



West Gallery Place



Ease Gallery Place



Ayala Triangle Gardens



Tera Tower



The Grove Tower (E&F)



Century Diamond Tower



Park Central Towers

Iraq



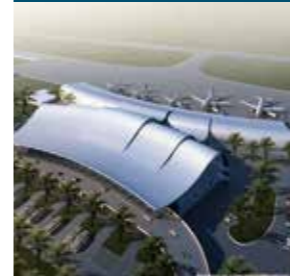
Lawyers & Notaries Project, Iraq

Iran

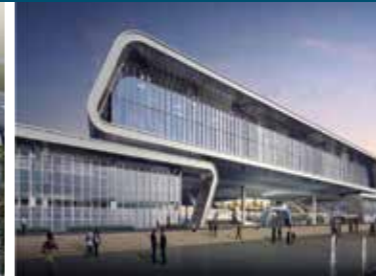


Kish Twin Tower (Kish, Iran)

Africa



Brazzaville Maya Airport (Congo)



Monglian Railway (Kenya)



Mullege (Ethiopia)



Wegagen (Ethiopia)



Angola Stadium (Angola)

Malaysia



Forest City



Harbor City



Troika Residences



Prima Homes

Bangladesh



Sheraton Hotel



RD Center Office



China-aid Project of Bangladesh China Friendship Exhibition Center

Singapore



Orange Tee



Singapore Art School



Jade Scape



Riverin Condominium

South America



UNASUR (Ecuador)



Complexo Madeira - Alphaville (Brazil)



Parque Titaium-Chile



Ciudad Gama-Cordoba Argentina

Vietnam



The J.W. Marriot Hotel - Danang



Condotel Nha Trang



FLC Sea Tower Quy Nhon



Vincor Thanh Hoa

Cambodia



GIA Tower Cambodia

Thailand



Canapaya Residence Tower

India



Orchid Woods, Mumbai (India)

U.A.E



Ginco Resence Tower



Churchill Tower



Dubai Silicon Park



Mashreq Bank Headquarter

Qatar



Doha Hi-Rise Office Building



Qatar National Convention Centre

USA



Tasi Home (Saipan, USA)