



Guangzhou Baiyun Chemical Industry Co.,Ltd.

Add: No.1 Yun an Road,Guangzhou Civilian Science Technology Park,Taihe,Guangzhou.China
Tel: +86-159 2013 2200 Email: zhengjinghui@china-baiyun.com Website: www.chinasealant.com

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

TYPICAL PROPERTIES

Property	Result	Test method
Uncured-As Tested at 23°C (73°F) and 50% RH		
Specific Gravity	1.45	ASTM D1875
Working time(23°C/73°F, 50% RH)	10-20minutes	ASTM C679
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 D2240
Peel Strength	28lb/in	ASTM C719
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.

DESCRIPTION



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BAIYUN SS850 General Purpose Silicone Sealant is one-component, neutral curing, general purpose construction silicone sealant with good adhesion to glass, aluminum, cement, concrete etc., specially designed for sealing in all type door ,window and wall joints

SPECIFICATIONS

BAIYUN SS850 General Purpose Silicone Sealant meets or exceeds the requirements of the following standards for one-part sealants.

Specifications:

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

COLORS

Available in black, gray and white (standard colors)

Available in other wide variety of colors (customized)

PACKAGING

BAIYUN SS850 General Purpose Silicone Sealant is available in 10.1 fl. oz. (300 ml) plastic caulking cartridges and 16.9 fl. oz. (500 ml) foil sausage packs

USABLE LIFE AND STORAGE

When stored at or below 27°C (80°F) in the original unopened containers, BAIYUN SS850 General Purpose Silicone Sealant has a usable life of 12 months from the date of manufacture.

LIMITATIONS

BAIYUN SS850 General Purpose Silicone Sealant should not be used, applied or recommended:

- In structural glazing applications or where the sealant is intended as an adhesive.
- In areas where abrasion and physical abuse are encountered.
- In totally confined spaces as the sealant requires atmospheric moisture for cure.
- On frost-laden or damp surfaces
- To building materials that bleed oils, plasticizers or solvents – materials such as impregnated wood, oil-based caulks, green or partially vulcanized rubber gaskets or tapes.
- In below-grade applications
- On substrates made of PP, PE, PC, PMMA and PTFE.
- Where movement capability greater than $\pm 12.5\%$ is required.
- Where painting of the sealant is required, as the paint film may crack and peel
- For structural adhesion on bare metals or surfaces subject to corrosion (i.e., mill aluminum, bare steel, etc.)
- To surfaces in contact with food



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- For use underwater or in other applications where the product will be in continuous contact with water.
- New concrete must be allowed to cure and dry for at least 7 days of good drying weather.

HANDLING AND SAFETY

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE FROM BAIYUN SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING BAIYUN CUSTOMER SERVICE.

HOW TO USE

Complete design and installation guidelines are contained in the BAIYUN Technical Manual when using this product

HEALTH AND ENVIRONMENT INFORMATION

For information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Material Safety Data Sheets containing physical, ecological toxicological and other safety-related data.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained 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 the products of Guangzhou Baiyun Chemical Industry CO., LTD are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

The warranty of Guangzhou Baiyun Chemical Industry CO., LTD. is that the product will meet the Guangzhou Baiyun Chemical Industry CO., LTD. sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchasing price or replacement of any product shown to be other than as warranted.

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