



Guangzhou Baiyun Technology Co., Ltd.

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BAIYUN 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	1.02	ASTM D1475
Working time(23°C/73°F, 50% RH)	3-10 minutes	
Tack-free time(23°C/73°F, 50% RH)	5-30 minutes	ASTM C679
Curing time(23°C/73°F, 50% RH)	7-14 days	
Flow, Sag or Slump	<0.1 mm	ASTM C639
VOC Content	<50 g/L	
As Cured-After 21 days at 23°C (73°F) and 50% RH		
Durometer Hardness, Shore A	10-30	ASTM C661
Peel Strength	14 lb/in	ASTM C794
Joint Movement Capability	± 20%	ISO 11600

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

SPECIFICATIONS

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



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- ISO 11600-F&G-20LM

COLORS

Available in translucent only

PACKAGING

300 mL cartridge and 500 mL sausage

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.

LIMITATIONS

This product 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 $\pm 20\%$ 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
- 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.



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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.