

XS-C001

Weather-Resistant Silicone sealant



Product Description

XS-C001 Weather-Resistant Silicone Sealant is a single-component, non-sag, neutral-curing sealant. It can be easily extruded under most ambient temperatures and cures upon reaction with ambient moisture to form a durable, flexible silicone seal.

Where To Use

- Building Facades: Aluminum composite panels, glass curtain walls, stone cladding.
- Openings: Door/window frames, plastic-steel windows.
- Multi-Substrate Compatibility: Ceramics, cement, wood, various metals, roofing.

Product Features

- Excellent weather resistance and adhesion.
- Superior sag resistance with no significant webbing during application.
- Smooth extrusion and easy application.

Supply

590ml foil pack, Black/Grey/White

Construction Procedure

- Before using this product, conduct compatibility and adhesion tests to ensure qualification for construction;
- To ensure good adhesion of the product, the application area must be clean, dry, and free of dust and oil stains;
- The surface cleaning of the substrate must be done with non-fluffy cotton white cloth and clean solvent such as toluene or acetone, and caulking should be done within one hour to avoid recontamination;
- After filling the joints, use a scraper to press the material into the joint so as to enhance adhesion;
- Adjacent surfaces should be covered with masking tape for subsequent finishing and cleaning to ensure a neat appearance.

Storage And Transportation

- Transportation: Classified as non-hazardous goods. Suitable for general cargo transportation.
- Storage: Keep in a sealed container in cool (max. 27° C), dry conditions.
- Shelf Life: 10 months from production date when stored and transported as directed.

Technical Data Based For Reference

Implemented Standard: QB/T 14683-2017

Item		Technical parameters	
Density/(g/cm ³)		Specified value ±0.1	
Sag/mm		≤3	
Surface drying time/h		≤3	
Extrudability/(ml/min)		≥150	
Pot life		As determined	
Elastic recovery rate/%		≥80	
Tensile modulus/MPa	23° C	≤0.4 or ≤0.6	>0.4 or >0.6
	−20° C		
Adhesion at fixed extension		No damage	
Adhesion at fixed extension after water immersion		No damage	
Adhesion after extension and compression at high and low temperatures		No damage	
Adhesion after exposure to UV		No damage	
Adhesion after exposure to water and artificial light		No damage	
Weight loss/%		≤8	
Alkane plasticizer		Not detected	

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