TECHNICAL DATASHEET: APP 967

PRODUCT DESCRIPTION

APP 967 silicone weather-resistant sealant is a one-component, neutral-curing silicone weather-resistant sealant with excellent weather resistance. It is specially used in the weather-resistant sealing of various curtain walls (glass curtain walls, aluminium sheet curtain walls, etc.), ensuring safe, reliable and durable performance of the curtain walls.

PRODUCT FEATURES

One-component, good extrudability and thixotropy, easy to use
Neutral curing, wide application, eco-friendly, non-corrosive
High displacement capability; easily accommodates normal expansion, contraction and shear deformation of curtain walls, effective sealing
Excellent resistance to weather ageing and high and low temperatures
Excellent adhesion; can form strong adhesion to most building materials after curing; no primer coating required

TYPICAL APPLICATIONS

Weather-resistant sealing of various glass curtain walls and aluminium curtain walls
Joint sealing for concrete, metal and roof structures
Various other applications

MAIN TECHNICAL INDICATORS

Test items		Value
Sagging	Vertical, mm	≤3
	Horizontal	No deformation
Extrudability, mL/min		≥80
Tack-free time, h		≤3
Displacement capacity, %		±25
Elastic recovery rate, %		≥80
Tensile modulus/MPa	23°C	>0.4
	-20°C	>0.6
Adhesion at a given elongation		No damage
Adhesion properties after hot pressing and cold drawing		No damage
Adhesion at a given elongation after water immersion and light exposure		No damage
Mass loss rate, %		≤10

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STANDARD COMPLIANCE

This product complies with the national standard JC/T882-2001, with a displacement capacity of grade 25 HM.

RESTRICTIONS ON USE

Cannot be used as a structural sealant
Not suitable for use on surfaces of materials that exude grease, plasticiser or solvent, such as oil-impregnated wood
Not suitable for use in unventilated places, as the sealant needs to absorb moisture from the air to cure
Not suitable for use on frosted or wet surfaces
Not suitable for use in places that are continuously soaked or wet all year round
Not suitable for use on surfaces of copper, lead or galvanised metals
Not suitable for sealing polycarbonate materials
Not suitable for use when the material surface temperature is below 4°C or above 40°C
The sealant joints may bulge in cases of low humidity (<50%RH) or a large day–night temperature difference (>15°C), but this does not affect the sealing performance

PACKING SPECIFICATION

Plastic cartridge: 300ml/cartridge,
Compound sausage: 500 ml/sausage.

COLOUR

Black, grey, white or other colours as required

STORAGE AND SHELF LIFE

The product should be stored in a cool and dry place below 27°C.
The shelf life is 12 months from the date of production.

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INTERFACE DESIGN AND APPLICATION METHOD

Please refer to the “Silicone Sealant Application Process Guide”.

CAUTIONS

This product is not toxic once fully cured, but contact with eyes should be avoided before curing. In case of contact with eyes, please rinse with plenty of water and seek medical attention. Prevent children from being exposed to uncured products. This product will release low-molecular-weight substances during the curing process, so attention should be paid to ventilation in the application and curing area.

REPAIR AND MAINTENANCE

Generally, repairs are not necessary. However, if the sealant joints are broken, please replace the damaged part. Just remove the accumulated dirt with solvent and then fill with sealant. APP silicone sealant adheres well to the cured silicone sealant.

NOTE

The information contained herein is believed to be reliable. Due to the wide range of actual conditions, it is impossible for us to anticipate every situation, so we cannot guarantee the correctness and suitability of our product for particular uses and purposes. Users should have a detailed understanding of the product before using it, and then decide for themselves the best way to use it.

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