

PRODUCT DESCRIPTION

APP 961 silicone firestop sealant is a one-component, neutral curing adhesive suitable for bonding and sealing of various fire-proof doors and windows, flame-retardant sealing of curtain walls, public places, etc. It features excellent resistance to aging, UV, ozone, water, and high and low temperature, neutral curing, no corrosion to the adhered surface, and excellent compatibility with other neutral silicone adhesives.

PRODUCT FEATURES

One-component, good extrudability and thixotropy, easy to use;
Neutral curing, wide application, eco-friendly, non-corrosive;
Excellent flame retardant performance, reaching the highest flame retardant grade of FV-0;
Excellent adhesion, strong adhesion with most building materials after curing, no primer required.

TYPICAL APPLICATIONS

Fire partition and smoke-proof sealing between curtain walls;
Flame-retardant sealing of various fire-proof doors and windows;
Fire-proof sealing of wall top and building joints.

Test item		Indicator
Sag	Vertical, mm	≤3
	Horizontal	No deformation
Extrudability, mL/min		≥80
Tack-free time, h		≤3
Displacement capacity, %		±20
Elasticity recovery, %		≥80
Flame retardant grade		FV-0
Tensile modulus/MPa	23°C	>0.4
	-20°C	>0.6
Adhesion properties at maintained extension		No damage
Adhesion properties after hot pressing and cold drawing		No damage
Adhesion properties at maintained extension after water immersion and light exposure		No damage
Mass loss rate, %		≤10

STANDARD COMPLIANCE

This product complies with the national standard GB/T 24267

RESTRICTIONS ON USE

Cannot be used as structural sealant;
Not suitable for use on the surfaces of all materials that exude grease, plasticizer 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 copper, lead or galvanized metal surfaces;
Not suitable for sealing polycarbonate materials.
Not suitable for application when the surface temperature of the material is below 4°C or above 40°C; Under low humidity (<50%RH) or large temperature difference between day and night (>15°C), the glue line may bulge, which does not affect the sealing performance.

PACKING SPECIFICATION

Plastic cartridge: 300 mL/cartridge

COLOUR

Black, grey, white.

STORAGE AND SHELF LIFE

Store below 27°C in a cool and dry place. Shelf life is 12 months from the date of production.

**TECHNICAL DATASHEET: APP 961
SILICONE FIRESTOP SEALANT
TECHNICAL DATA SHEET**



CAUTIONS

This product is not toxic after full curing, however avoid contact with eyes before curing. If contact with eyes occurs, rinse with plenty of water and get medical attention. Uncured product should be out of the reach of children. This product releases low molecular substances during the curing process, so attention should be paid to ventilation in the application and curing area.

MAINTENANCE

Generally no maintenance is required. If the glue line is broken, replace the damaged portion by simply removing the accumulated dirt with solvent and filling 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 have a comprehensive understanding of everything, so we cannot guarantee the correctness and suitability of our product for certain usage 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.

