AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

FIRESTOP 700 - Technical Data Sheet-en

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以上为销售联系信息，不替代安全数据表中的应急联系电话。
原始技术内容及制造商、检测机构和证书签发信息见后续资料页。

Sales contact only; emergency contacts in safety data sheets remain applicable.
Original technical, manufacturer and certification details follow.

Technical Product Data Sheet

FIRESTOP 700



kuhnodice

Tech. Rev.: 1.0
Ling. Rev.: 1.0

Product description

FIRESTOP 700 is a specialist, high-temperature silicone sealant developed to withstand extreme thermal conditions. The sealant remains elastic and thick throughout a wide temperature range, usually stretching from -60 °C to +260 °C and sometimes even beyond that. It is particularly suitable for applications in which seals are continuously exposed to high temperatures or significant temperature fluctuations.

Properties

- Fire-resistant silicone sealant, tested for fire resistance durations of one to four hours
- Neutral curing, no primer required, adheres to most building materials
- Absorbs movement of up to ±50% of the joint width
- Low smoke development and low toxicity in the event of fire
- Excellent resistance to weather (ozone, UV radiation, temperature fluctuations)
- Halogen-free, durable and highly stable in form

Fields of application

- Fire-rated glazing systems in doors and windows
- Sealing of expansion joints in fire-resistant walls and façades
- Sealing of pipe and cable penetrations in fire-resistant structures
- Fire protection in public buildings, industrial facilities and residential buildings
- Used in fire-resistant ceiling and floor penetration seals
- Fire protection in façade and window constructions

Technical data

Composition	One-component, neutral curing silicone sealant
Material structure	Elastic, one-component, neutral curing silicone sealant
Absorption of movement	±50% (for applications with moving elements, such as joints)
Creep behaviour	Cannot be verified
Shore A hardness	20
Tensile strength [N/mm²]	0.75
Elongation at break [%]	500
Surface finish	Smooth, flexible
Skin formation time (dry)	2 hours (at 23 °C and 50% relative humidity)
Curing rate	2 mm per day (at 23 °C and 50% relative humidity)
Storage	Store in a dry and well ventilated location at room temperature (20 °C ±5 °C) and with normal humidity (50–70%). Protect against UV radiation.
Shelf life	Max. 12 months from delivery date in original packaging and under the stated storage conditions

Colour variants

White, black, grey

Processing information

Application temperature [°C]	+5 °C to +40 °C
Working time	15 minutes

1. Surface preparation:
   - The surface must be solid, dry, clean and free of grease. All residues such as grinding dust, flame retardants, sealant residue or other dirt that could affect adhesion must be removed. Clean with a suitable solvent and lint-free cloth.
2. Installation and fixing:
   - FIRESTOP 700 can be applied with a manual or compressed-air applicator. Avoid the formation of air bubbles in the sealant. Smooth the sealing joint within five minutes of application to ensure optimal contact between the sealant and the substrate and achieve a professional finish. Remove excess material on non-porous surfaces before curing using suitable solvent.
3. Safety notes:
   - Follow the usual health and safety measures for the workplace. Avoid contact with eyes and skin. We recommend using the product in well ventilated areas.

Contents of a package/set

310 ml cartridges (12 pieces per packing unit)