

Fire resistant one-component sealant

GB / 3.1 / Rev. 3

FIRESTOP® 700



odice
PASSIVE FIRE PROTECTION



■ Product description

FIRESTOP 700 is a low modulus, one-part, neutral curing, fire-rated silicone sealant.

It is used as a fire glazing sealant, for sealing of expansion joints and for pipe or cable penetrations in structures where fire protection is required.

FIRESTOP 700 is non-flammable, releases little smoke and presents low toxicity.

FIRESTOP 700 has been tested and approved in accordance with the main European testing standards relating to fire protection with degrees of fire resistance from 1 to 4 hours (according to the test conditions).

■ Technical Data

| | |
|---------------------------|-------------------------------|
| Creep | nil |
| Joint movement capability | ± 50% |
| Application temperature | From +5°C to +40°C |
| Working time | 15 minutes |
| Tack-free time | 2 hours (at 23°C and 50% RH) |
| Cure rate | 2 mm/day (at 23°C and 50% RH) |
| Shore A hardness | 20 |
| Breaking strength | 0,75 MPa |
| Elongation at break | 500% |

■ Features

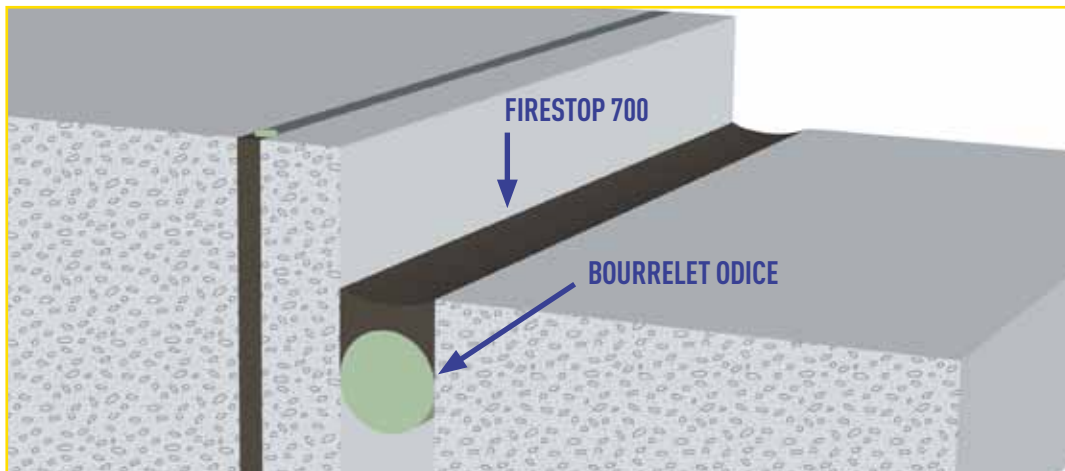
FIRESTOP 700

- Adheres perfectly without the need for a primer on most materials used in construction, whether porous or otherwise.
- Is a quick setting sealant, with a working time of 15 minutes.
- Is capable of absorbing joint movements up to ± 50% of its width.
- Presents excellent resistance to atmospheric agents, including ozone, ultraviolet radiation and temperature fluctuations.
- Has extreme durability, contains no halogen and does not creep.

Applications

The use of **FIRESTOP 700** sealant allows the classification of various elements as fire resistant:

- Mirror seals on flame resistant and fire resistant glazing.
- Fire resistant seals.
- Penetrating seals.
- Seals for ventilation ducts.
- Seals for curtain walls.
- Seals for cable and pipe penetration systems.
- Links between partition walls and masonry.



Example of application: fire resistant expansion joint.

Installation

The surfaces to which **FIRESTOP 700** sealant is applied must be sound, dry, clean and grease-free. Remove from the receiving surface any sanding, flame retardant or grouting material, dust, dirt, sealant residue or other contaminants which could inhibit adhesion.

Surfaces should be cleaned and degreased using an appropriate solvent: use a non-greasy, lint free cloth. If the application of a backer material is required, **BOURRELET ODICE** can be used for fire resistant expansion joints and **SUPERWOOL** paper can be used for fire resistant glazing applications.

Apply the **FIRESTOP 700** mastic using a suitable hand or air gun, avoiding the formation of air bubbles in the seal. The joint should be tooled within 5 minutes of application to ensure good contact between the sealant and the substrate. Tooling of the sealant also gives a smooth, professional finish.

Excess sealant should be cleaned off from tools and non-porous surfaces before curing by the use of a suitable solvent.

Sealant adhering to a porous surface should be removed after curing, by abrasion or other mechanical means.

Colours

Grey, black and white.

Packaging

FIRESTOP 700 sealant is supplied in 310cc cartridges, in boxes of 12 units.

Storage

Store in a dry and well-ventilated area. Do not store at temperatures above 23°C. Shelf life: 12 months in the unopened original packaging.

Health and safety measures

Observe usual workplace health and safety rules.

Avoid contact with the skin and eyes.

Use in well ventilated areas.

Refer to the safety data sheet.

IMPORTANT: while the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by ODICE hereunder are given free of charge and ODICE assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.



ODICE S.A.S - Fire Protection

Z.A.E Les Dix Muids - Rue Lavoisier - 59770 Marly - France

Tél. +33(0)3 27 19 32 32 - Fax : +33(0)3 27 21 06 26

Email : info@odice.com - www.odice.com