



# ALCOLIN FIRE STOP FIREPROOF SEALANT

## Description

Alcolin Fire Stop Fireproof Sealant is a high-quality sealant paste based on inorganic resins that do not shrink, crack or allow for movement once cured. It bonds to concrete, brick and metal and is ideal for permanently repairing and sealing openings, joints, cracks and fixtures in chimneys, piping, refractory elements and other areas which are in direct contact with flames or are exposed to extremely high temperatures (up to 1500°C).



## Features & Benefits

- Withstands temperatures and direct flames up to 1500°C.
- Excellent adhesion to metal, brick and concrete.
- Does not shrink or crack.
- Does not allow movement.

## Applications

- Sealing of joints and openings subjected to high temperatures and direct flames.
- For permanent repair and sealing of joints, cracks, chimneys and refractory elements.

## Adhesion

Alcolin Fire Stop Fireproof Sealant exhibits excellent primerless adhesion to many non-porous materials e.g. ceramics, glass, enamel, porcelain, most metals (mild steel, aluminium, lead, copper, tin, galvanized iron, brass or zinc). Bonds strongly to alkaline surfaces such as concrete, fibrous cement, mortar and plaster.

## Limitations

- Not suitable for sealing flexible surfaces or joints that will be subjected to movement.
- Not suitable for central heating and gas installations.

## Safety instructions

Alcolin Fire Stop Fireproof Sealant is non-toxic, however, it is advisable to wear gloves in order to avoid direct skin contact. In the event of skin or eye contact, rinse thoroughly and immediately with water. Seek medical assistance if irritation or discomfort persists. Keep out of reach of children! Work in a well ventilated area. Refer to our Safety Data Sheets for further toxicological information and comprehensive handling instructions.

## Surface preparation

The surface coming into direct contact with Alcolin Fire Stop Fireproof Sealant must be clean, dry, free from all loose materials, dust, dirt, oil, rust and any other contaminants. Poor surface preparation may result in the delamination of the product.

## Directions for use

1. Ensure surfaces are prepared as above.
2. Cut tip off cartridge and screw the nozzle onto the cartridge. Cut the tip of the nozzle at an angle to achieve the desired bead size. Apply with a caulking gun in a continuous bead to the prepared joint.
3. Use masking tape to get a clean, even sealant line and to eliminate cleaning difficulties on porous surfaces. Be sure to remove the tape before sealant begins to skin.
4. Smooth down after application (within 3 minutes) before skin formation occurs, by using a flat or rounded tool, or even a finger, dipped in soapy water.
5. Sealant dries to touch in 1 hour and reaches full cure after approx. 24 hours.
6. Alcolin Fire Stop Fireproof Sealant can be painted.

## Cleaning

Uncured sealant can easily be removed from hands or tools using soapy water, however cured sealant can only be removed mechanically i.e. with a sharp knife.

## Storage stability

Alcolin Fire Stop Fireproof Sealant has a shelf life of at least 12 months if stored in a cool (below 25°C), dry place in its original moisture-tight cartridge. If the material is kept beyond the recommended shelf life, it is not necessarily unusable, a check should be performed to observe whether the product is still workable, apply-able and uncured. To maximize the shelf life of the opened cartridge, it would be advisable to create an airtight environment. This can be achieved by removing the nozzle and wiping down the opening, placing a piece of plastic over it, and finally screwing the nozzle back on. Store in a cool environment.

## Product packaging

- 300ml cartridge

# TECHNICAL DATA SHEET

## Product data

### i. Physical data – Uncured sealant

Appearance		Smooth, homogenous black paste
Coverage – 300ml cartridge		12 meters (5mm x 5mm joint)
Skinning time		Approx. 3min at 23°C
Curing time		Approx. 24hrs (5mm bead)
Density	ISO 1183	1.80g/cm <sup>3</sup> at 23°C
Slump	ISO 7390	<5mm

### ii. Performance data – Cured sealant

Service temperature range		Min. -10°C to Max. +1500°C
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*The above information is only offered, as a guide to the use of this product. Furthermore, users should satisfy themselves that it is suitable for their needs. Since we have no control over the conditions under which it is used, we cannot accept responsibility for problems caused by the use and/or application of this product.*

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