

**Product Information**

# Fire Seal A 560

**Professional, fire rated acrylic sealant**

**General description and application:**

Fire Seal A 560 is a plastoelastic water-based acrylic sealant, suitable for passive fire protection of indoor linear joint seals.


Fire Seal A 560 does not contain any solvents, halogens or asbestos.

Fire Seal A 560 is tested according to EN 1366-4: 2006. **for linear joint seals.**

For joint constructions in which Fire Seal A 560 is tested, see page 3

The product is registered in the database for construction products that can be included in the Nordic Ecolabelled construction.



Member of  Danish Association of Sealant Applicators & Manufactures.

**Physical / chemical properties:**

**Uncured sealant:**

- Type: Water-based, one-component acrylic sealant
- Colour: White
- Fungicide treated: No
- Texture: Pasty, thixotropic mass
- Density: Approx. 1.6 kg/L
- Shelf life: Minimum 12 months in unopened packaging, when stored cool and dry.
- Packaging:

Item no.	Size
56032	300 mL cartridge
7918	600 mL foilbag

**Cured Sealant:**

- Paintable: Yes
- Temperature resistance: The joint is fully functional from -25 °C to +80 °C.
- Water resistance: Withstands moisture, but not constant water exposure.
- UV-resistance: Good



## Directions for use:

- Joint dimensions:** See table 01 on page 3
- Preparation:** All surfaces must be clean, dry, free of grease, dust and loose particles. Fire Seal A 560 is fire-resistant tested on concrete, lightweight concrete, brick and plasterboard.
- Porous surfaces should be primed with a dilution of 50 % water and 50% sealant.
- In practice, variations can occur in the different materials, therefore it is always recommended to carry out sufficient bonding tests before commencing – particular in larger applications.
- We recommend the use of covering tape, which should be removed immediately after application of the sealant.
- Application temperature:** +5 °C to +40 °C.
- Application:** The tip of the cartridge is cut off with a keen knife after which the tip is cut with an inclined cut, which is a bit smaller than the width of the joint. The sealant is applied by means of a hand- or pneumatic gun.
- The sealant is pressed in place and finished with a joint nail dipped in water, a wet sponge or a wet cloth, not later than 5-10 minutes after application.
- As the sealant is water based, it should not be applied outdoor if rain is expected before the sealant has cured.
- Curing:** Skin formation: approx. 10 minutes at 23 °C, 50 % RH.  
Fully curing: 10 x 10 mm joint will cure in approx. 10 days at 23 °C, 50 % RH.  
Sealant cures slower at lower temperatures and higher relative humidity.
- Treatment:** After curing Fire Seal A 560 can be painted with most types of paint. Due to differences in paint compositions, we always recommend carrying out compatibility tests.
- Cleaning:** Uncured sealant is removed with wipes or hot water.  
Cured sealant can only be removed mechanically.  
Wash hands and skin with water and soap.

## Health and safety:

For further information on safety, refer to product safety data sheet.

**Fire Classification:**

The joints described below are tested according to EN 1366-4: 2006, linear joint seals. The local fire authorities should always be contacted before sealing, in order to ensure that dimensions of the joint fulfil the required fire classification.

The fire joint closure must at least have the same fire resistance as the classified building part.

Table 01

<b>Construction</b>	<b>Width of Joint</b>	<b>Depth of Joint</b>	<b>Backing*</b>	<b>Seal</b>	<b>Fire Classification</b>
Gypsum board, concrete or masonry.	≤40 mm	≥10 mm	20 mm	Double	EI 120
Gypsum board	≤10 mm	≥10 mm	20 mm	Double	EI 120
Concrete and aircrete	≤10 mm	≥15 mm	50 mm	Single	EI 180
Concrete and aircrete	≤40 mm	≥30 mm	50 mm	Single	EI 120

\*Backing material must be either stone wool or ceramic fibres (nominal density ≥ 45 kg/m<sup>3</sup>).

Concrete: Regular or aerated concrete (aircrete), 150 mm wall thickness.

Gypsum board: Gypsum plasterboard wall, 130 mm thickness.

Single: Sealed on the fireside.

Double: Sealed on both sides.

The information and data contained in this Product Information sheet are based on extensive laboratory testing and our practical experiences and are meant for helping the user to find optimum working methods. As the conditions at the user are beyond our control, we make no warranties concerning the results, achieved by the products. The information's in this Product Information sheet are typical values, intended as a guideline. They should not be regarded as product specifications. Please also refer to our standard sales conditions and terms of delivery.

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