

Product Information:

Fire Guard A 565

Professional fire rated acrylic sealant

General description and application:

Fire Guard A 565 is a plastic water-based acrylic sealant. Suitable for indoor fire rated joints around window- and doorframes, light weight walls, floors and ceilings.

Fire Guard A 565 meets the fire classification EI 300, however, dependant on the construction of the joint.

Fire Guard A 565 expands during heating and prevents penetration of smoke gas and fire.

Fire Seal A 565 contains no organic solvents, halogens or phthalates or asbestos.

Fire Seal A 565 is tested according to **EN 1366-4: 2010, linear joint seals.**

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 acrylic sealant
 Colour: White
 Contains fungicide: No
 Structure: Paste, thixotropic
 Specific gravity: 1.5 kg/L.
 Shelf life: Minimum 18 month in unopened packing, if stored cool and dry.
 Packaging:

| Item no. | Colour | Size |
|----------|--------|------------------|
| 56532 | White | 300 mL cartridge |
| 56562 | White | 600 mL foilbag |

Cured sealant:

Paintable: Yes
 Resistance: The sealant retains its properties intact from -25 °C to +80 °C. In case of fire the sealant will in accordance with the fire test of the construction in question, withstand higher temperatures.
 Water resistance: Resistant to moisture, but not water resistant.
 Climatic ageing: Good.

Directions for use:

- Joint dimensions:* See table 01 and 02 on page 3.
- Surface Preparation:* All surfaces must be clean, dry, free of grease, dust and loose particles. Fire Seal A 565 can be use on surfaces as aluminium, PVC, concrete, bricks, plasterboard, wood etc.
- Fire Guard A 565 is fire resistance tested on steel, concrete and wood.*
- 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 tasks.*
- We recommend the use of covering tape, which should be removed immediately after application of the sealant*
- Application temperature:* Can be applied at temperatures between +5 °C and +40 °C.
- Application:* The tip of the cartridge is cut off with a sharp 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 tool dipped in water, a wet sponge or a wet cloth, immediately after application.*
- Curing:* Skin formation: approx. 15 minutes at 23 °C and 50 % RH.
The joint will cure in approx. 3-7 days, depending on the size of the joint, air humidity and temperature. The curing time is prolonged at lower temperatures and higher relative humidity.
- Cleaning:* Tools can be cleaned - and sealant removed - with hot water before curing.
Cured sealant can only be removed mechanically.
Hands and skin should be washed with soap and water.

Health and Safety:

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

Fire classification:

The following joint constructions are tested according to EN 1366-4: 2010, linear joint seals. It is the responsibility of the user to clarify with the relevant authorities that the product used, and the construction meets the fire regulation in question. The joints have been designed in order that depth is half the width, however, for technical reasons, other dimensions have been used for some of the constructions.

The conditions for the tables below are,

- Joints in homogeneous walls made of plasterboard, lightweight concrete, regular concrete or masonry with a minimum thickness of 100 mm
- Joints to softwood, hardwood and steel with a minimum thickness of 100 mm
- Joints at floor structures/separations made of regular concrete, lightweight concrete or masonry with a thickness of minimum 150 mm

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

All joints are mounted on backing material PE backer rod 980, it to be used in dimension approx. 25 % larger than the width of the joint.

Walls:

Approved for joints in plasterboard, regular concrete, lightweight concrete or brick constructions, with a thickness of minimum 100 mm

Table 01

| Building part | Width of joint | Joint width/depth ratio | Backer rod 980 | Double joint |
|---------------------|----------------|-------------------------|----------------|--------------|
| Concrete - Concrete | 12 - 29 mm | 2:1 | PE | EI 300 min |
| Concrete - Concrete | 30 - 50 mm | 2:1 | PE | EI 210 min |
| Concrete - Wood | 12 - 29 mm | 2:1 | PE | EI 60 min |
| Concrete - Wood | 30 - 49 mm | 2:1 | PE | EI 90 min |
| Concrete - Wood | 50 mm | 2:1 | PE | EI 120 min |
| Concrete - Steel | 12 mm | 2:1 | PE | EI 120 min |
| Concrete - Steel | 13 - 29 mm | 2:1 | PE | EI 120 min |
| Concrete - Steel | 30 - 49 mm | 2:1 | PE | EI 120 min |
| Concrete - Steel | 50 mm | 2:1 | PE | EI 120 min |

Floor structures/separations:

Approved for joints in regular concrete, lightweight concrete or brick constructions, with a thickness of minimum 150 mm

Table 02

| Building part | Width of joint | Joint width/depth ratio | Backer rod 980 | Single joint | Double joint |
|---------------------|----------------|-------------------------|----------------|--------------|--------------|
| Concrete - Concrete | 12 - 20 mm | 2:1 | PE | EI 90 min | EI 120 min |
| Concrete - Concrete | 21 - 50 mm | 2:1 | PE | EI 90 min | EI 210 min |
| Concrete - Steel | 12 - 29 mm | 2:1 | PE | EI 120 min | |
| Concrete - Steel | 30 - 50 mm | 2:1 | PE | EI 90 min | |
| Concrete - Wood | 12 - 50 mm | 2:1 | PE | EI 30 min | |

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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