



# Den Braven

## Technical Data Sheet

### Zwaluw FP Acrylic Sealant

Fire resistant acrylic sealant



#### Product Description

Zwaluw FP Acrylic Sealant is a 1-component fire resistant sealant based on acrylic dispersion. Zwaluw FP Acrylic Sealant is a plasto-elastic sealant which is slightly intumescent above +120°C and is suitable for up to 4 hours of fire resistant sealing of linear joints.

#### Benefits

- Tested according to EN 1366-4
- Up to 4 hours fire resistance
- Can be applied separately in joints up to 20 mm wide
- Can be combined with FP PU Foam up to 30 mm wide
- Paintable with most water based and synthetic paints
- Easy to apply and clean
- Joint movement up to 7,5%
- Also available in grey
- Almost odourless
- Non corrosive towards metals

#### Applications

Zwaluw FP Acrylic Sealant was specifically developed for fire resistant sealing of linear connection joints in gypsum and stony substrates. Fire resistance tested according to EN 1366-4 up to +120 minutes in a 20 mm wide gap. Combined with FP PU Foam up to 180 minutes in a gap of 30 mm wide. Ensure that you choose the correct

fire resistance for your application by consulting the classification and test reports.

#### Directions Of Use

A joint with the correct dimensions is able to absorb movements between building materials. The joint depth should always be in the correct relationship of the joint width. A general rule is the ratio of joint depth to the width of the joint with a joint width up to 10 mm is 1:1, with a minimum of 5 mm in width and depth. For joints wider than 10 mm, the depth is the width divided by 3 plus 6 mm. For more information see the Technical Bulletin Joint Dimensions in the Knowledge Base on our website [www.denbraven](http://www.denbraven).

#### Additional information

|  |                       |                          |
|--|-----------------------|--------------------------|
| 100 % modulus                          | DIN 53504 S2          | 0,25 N/mm <sup>2</sup>   |
| Application rate                       | @ Ø4 mm/4 bar         | 580 g/min                |
| Application temperature                |                       | +5°C to +40°C            |
| Base                                   |                       | Acrylic dispersion       |
| Curing time                            | @ +23°C/50% RH        | 1mm/24 hours             |
| Density                                | ISO 1183-1            | 1,60 g/ml                |
| Elongation at break                    | DIN 53505/<br>ISO 868 | 300%                     |
| Fire rating                            |                       | EN 1366-4                |
| Flow                                   | ISO 7390              | < 2 mm                   |
| Frost resistance during transportation |                       | Up to -15°C              |
| Joint movement                         |                       | 7,5 %                    |
| Open time                              | @ +23°C/50% RH        | 5-10 minutes             |
| Shorea hardness                        | DIN 53505             | 20                       |
| Skin formation                         | DBTM 16               | 6 minutes @ +23°C/50% RH |
| Temperature resistance                 |                       | -20°C to +75°C           |
| Tensile strength                       | DIN 53504             | 0,11 N/mm <sup>2</sup>   |

*These are typical values*



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#### Limitations

- Not suitable for continuous exposure to water
- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates

#### Surface Preparations and Finishing

Application temperature +5°C to +40°C (applies to environment and substrates). All substrates must be solid, clean, dry, and free of grease and dust. Substrates to be cleared of all loose particles, absorbent substrates do not need to be absolutely dry. Very porous substrates like: gypsum, airated concrete, limestone, etc need to be primed with a mixture of 1 part Zwaluw FP Acrylic Sealant and 2 parts water. Always test adhesion prior to application. Finish and smooth with water.

#### Paintability

FP Acrylic Sealant is paintable when fully dry. During curing product will show shrinkage, which can cause cracking of the paint. We recommend testing compatability with paint prior to application.

#### Cleaning

Tools should be cleaned after use with water. Hands can be cleaned with Zwaluw Wipes and/or water and soap.

#### Colour(s)

- White

#### Packaging

- Cartridge




*For product specifications, please refer to the Product Detail Page*

#### Shelf Life

In unopened original packaging between +5°C and +25°C, shelf life is up to 18 months from production date, stored in a dry place.

#### Certifications

|  |                        |
|--|------------------------|
|  | EN 1366-4:2006+A1:2010 |
|--|------------------------|

|   |                                      |
|---|--------------------------------------|
|  | EN 15651-1: F-EXT-INT 7.5P           |
|  | EMICODE EC1 Plus – very low emission |
|  | A+ French VOC Regulation             |

#### Health & Safety

Product Safety Data Sheet must be read and understood before use. These are available on request and via the Den Braven websites.

#### Warranty & Guarantee

Den Braven warrants that its product complies, within its shelf life, to its specification.

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