



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 in joints 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 30mm 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.nl.

Additional information

100 % modulus	DIN 53504 S2	0,25 N/mm ²
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/ 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 ²

These are typical values



Den Braven

Technical Data Sheet

Zwaluw FP Acrylic Sealant

Fire resistant acrylic sealant

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 EN 15651-1: F-EXT-INT 7.5P 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.

Disclaimer

All information in this document and in all our other publications (including electronic ones) is based on our current knowledge and experience and is the exclusive (intellectual) property of Den Braven. No part of this document may be copied, shown to third parties, reproduced, communicated to the public or used in any other way without Den Braven's written consent. The technical information in this document serves as an indication and is non-exhaustive. Den Braven is not liable for any damage, either directly or indirectly, due to (editorial) errors, incompleteness and/or incorrectness of this document. This includes, but is not limited to, incompleteness and/or incorrectness due to technological changes or any research conducted between the date of publication of this document and the date on which the product is acquired. Den Braven reserves the right to amend the wording of this document. Den Braven cannot be held liable for any damage, either directly or indirectly, due to the use of the product(s) depicted in this document. The user must read and understand the information in this document and other documents relating to the products prior to the use of the product. The user is responsible for performing all the requisite tests to make sure that the product is suitable for its intended use. We have no influence in what way the product is applied and/or any circumstances relating to events occurring during storage or transport and therefore we do not accept any liability for damage whatsoever. All deliveries are made exclusively in accordance with our general terms of conditions which have been filed at the Dutch Chamber of Commerce.



Den Braven

Bostik Benelux B.V
Denariusstraat 11, 4903 RC Oosterhout
T +31 (0)162491000 | E info@denbraven.nl

15-04-2020
14:08:37
UTC