



# Technical Data Sheet

## Zwaluw All-In-One Seal

High quality professional and universally paintable hybrid, elastic sealant for joints



## **Product Description**

All-In-One Seal is the perfect paintable solution for interior and exterior. This product has many uses, as its a high quality hybrid sealant. Ideal for use in on almost all surfaces, in connection joints as well as dilatation joints and as top seal in glazing joints.

#### **Benefits**

- · For universal use, interior and exterior
- Fully paintable with synthetic and water based paints
- · Ideal sealant for construction, sanitary areas, and glazing
- Non corrosive to metals
- Isocyanate, solvent and silicone free
- · Bubble and shrinkage free
- High weather, water and UV resistance
- · Excellent processing properties, quickly cures
- Bonds well even without primer to most substrates
- · Long lasting elastic effect

#### **Applications**

All-In-One Seal is highly compatible with most commercial paints, synthetic and water based. It has high resistance to movement and adheres well to primer on most, even moist substrates. Very high resistance to UV, weather and water resistant. Neutrally curing, and therefore odourless.

#### 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 devided by 3 plus 6 mm. For more information see the Technical Bulletin Joint Dimensions in the Knowledge Base on our website www.denbraven.com.

### Additional information

100 % modulus	DIN 53504 S2	0,55 N/mm²
Application rate	Ø2,5 mm/ 6,3 bar	100-200 g/min.
Application temperature		+5°C to +40°C
Base		Hybrid
Curing time	@ +23°C/50% RH	2-3 mm/24 hours
Density	ISO 1183-1	1,49 g/ml
Elongation at break	DIN 53504 S2	400%
Flow	ISO 7390	< 2 mm
Frost resistance during transportation		Up to -15°C
Joint movement		25%
Shorea hardness	DIN 53505 3 sec.	30
Skin formation	DBTM 16	10 minutes @ +23°C/50% RH
Temperature resistance		-40°C to +90°C
Tensile strength	DIN 53504 S2	1,00 N/mm²

These are typical values





# Technical Data Sheet

## Zwaluw All-In-One Seal

High quality professional and universally paintable hybrid, elastic sealant for joints

#### Limitations

- · Not suitable for natural stone and mirrors
- · Not suitable in combination with chlorides (pools)
- 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 and free of grease and dust. Clean substrates with Cleaner. All-In-One Seal adheres perfectly without the use of primer to most non porous substrates. Porous substrates to be pre-treated with Primer Universal. Always test adhesion prior to application. Use Finisher to smooth the joint.

#### Paintability

All-In-One Seal is paintable with most water based and synthetic paints. We recommend testing compatibility with paint prior to application. If All-In-One Seal is being painted over (not necessary), we recommend slightly sanding the sealant and the junction surfaces prior to use with Scotch-Brite. For the best results, we recommend painting a few days after application.

## Cleaning

Uncured material and tools can be cleaned by using Zwaluw Cleaner. Cured material can only be mechanically removed. Hands can be cleaned with Zwaluw Wipes.

## Colour(s)

- Black
- Grey
- White

# Packaging

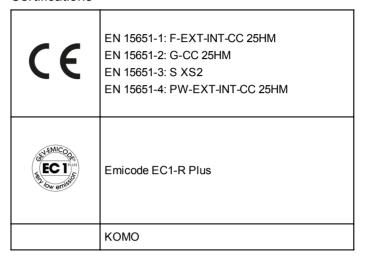
Cartridge

For product specifications, please refer to the Product Detail Page

## Shelf Life

Store between +5°C and +25°C and in shaded conditions. Shelf life is 18 months when stored as recommended in original unopened packaging.

#### Certifications



## Health & Safety

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

### Warranty & Guarantee

Bostik 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 Bostik. No part of this document may be copied, shown to third parties, reproduced, communicated to the public or used in any other way without Bostik written consent. The technical information in this document serves as an indication and is non-exhaustive. Bostik 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. Bostik reserves the right to amend the wording of this document. Bostik 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 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.