



# Den Braven

## Technical Data Sheet

### Zwaluw Backer Rod PE

PE foam rod for sealing joints



#### Product Description

Zwaluw Backer Rod PE is a closed-cell (polyethylene) foam rod used to fill joints between building materials to make sure the joint sealant will reach its correct dimension in width and depth. Zwaluw Backer Rod PE is supplied in various diameters, Ø 6 to 50 mm.

#### Benefits

- Avoids three-sided adhesion of sealants

#### Applications

Zwaluw Backer Rod PE can be used in construction and expansion joints to achieve the correct joint-dimensions and to prevent three-sided adhesion of the sealant.

Important:

Zwaluw Backer Rod PE must be used in the construction and expansion joint to achieve the correct joint dimension and to prevent three-sided adhesion of the sealant. If the depth of the joint is not sufficient enough to apply both Zwaluw Backer Rod PE and Zwaluw Sealant, then a Zwaluw Break Tape PE should be used instead of the Backer Rod PE. The Backer Rod PE also prevents three-sided adhesion of the Zwaluw Sealant.

Make sure that the width of the joint corresponds to the movement capability of the Zwaluw Sealant. In order to calculate a correct joint dimension, please visit our website or contact Den Braven for a proper recommendation.

The joint sealant depth can be calculated by using the following formulation:  $\text{Joint Depth} = (\text{Joint Width} \div 3) + 6$ .

Please make sure that the diameter of the Zwaluw Backer Rod is 50% larger than the gap between the two building substrates. If the joint width is 20mm the diameter of the Zwaluw Backer Rod should be Ø 30 mm.

#### Directions Of Use

Because of the closed cells the PE Foam will give more support to the sealant and is therefore most suitable for joints that are exposed to mechanical or water pressure. A disadvantage of PE Foam is the possibility of air bubbles between the sealant and the foam. These air bubbles can expand during curing of the sealant by radiation from the sun. The open-cell PU Foam doesn't have this problem and is

therefore the most suitable for joints that are not exposed to mechanical or water pressure like joints in façades etc. Damaging the closed cells from PE Foam during application can release a propellant from these cells, resulting in air bubbles on the sealant surface. For a complete overview see our website or contact Den Braven.

#### Limitations

#### Surface Preparations and Finishing

Before using the Zwaluw Backer Rod PE surfaces must be clean, dry and free from dust, grease and other loose material. Contact our Centre of Excellence for a proper recommendation.

#### Cleaning

#### Colour(s)

- Grey

#### Packaging

- Roll

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

#### Shelf Life

#### 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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