Den Braven

Polyflex-611

Advanced durable flexible building and construction sealant

PRODUCT DESCRIPTION

Zwaluw Polyflex-611 is a next-generation, one-component solution designed for user-friendly application. It is MDI-free and formulated with a low content of monomeric isocyanates. During curing, Zwaluw Polyflex-611 does not produce bubbles, ensuring a smooth and consistent result.

KEY BENEFITS

Bubble-free curing
Primer-free
Sag-free, suitable for vertical applications
Ultimate UV resistant
Label-free
Low-odeur
Non-Corrosive

APPLICATIONS

Zwaluw Polyflex-611 is specifically developed as a universal sealant for sealing
construction, expansion and dilation joints, perimeter, door and window and siding joints, precast concrete joints, modular
- housing and prefabrication, joints in pedestrian walkways and suitable for roofing applications, complies NFP 85-610.

DIRECTION FOR 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 10mm is 1:1, with a minimum of 5mm in width and depth. For joints wider than 10mm, the depth is the width divided by 3 plus 6mm.

- Colour deviation may occur due to factors, and not limited to such occurrences as high temperatures, UV radiation, exposure to chemicals (especially with colour shade white). Nevertheless a change in colour will not adversely influence either the technical performance or the durability of the product.

TECHNICAL SPECIFICATIONS

100% Modulus	ISO 8339	± 0,4 N/mm2
Application Temperature		+5°C to + 40°C
Base		Polyurethane
Application Rate	Ø4 mm/3 bar	100 - 150 g/min
Curing Time	@ +23°C/50% RH	2,5 - 3,0 mm/24 hours
Density	ISO 1183-1	1,25 - 1,35 g/ml
Elongation At Break	ISO 8339	> 300%
Flow	ISO 7390	0 mm
Joint Movement	ISO 11600	25%
Shore A Hardness	DIN 53505	30-35
Skin Formation	@ +23°C/50% RH	75 min
Temperature Resistance		-30°C till +80°C
Tensile Strength	ISO 8339	± 0,6 N/mm²

These are typical values

LIMITATIONS

- Not suitable for PE, PP, PTFE, soft plastics, neoprene and bituminous substrates.
- Not suitable in combination with chlorides (pools).
- Slight yellowing may occur when white sealant is exposed to ultraviolet rays.
- Before using on natural stone please contact our technical service department.

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. Clean substrates with Zwaluw Cleaner. Zwaluw Polyflex-611 adheres perfectly without the use of a primer to most non porous substrates.
Porous substrates to be pre-treated with Zwaluw Primer. Always test adhesion prior to application. Use Zwaluw SOAP to smooth the joint.

PAINTABILITY

Zwaluw Polyflex-611 is paintable with water based and most 2 component paints. Synthetic paints can dry slower. We recommend testing
compatibility with paint prior to application. If Zwaluw Polyflex-611 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 within a few days of application.

CLEANING

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

SHELF LIFE

In unopened original packaging between + 5°C and + 25°C, shelf life is up to 15 months from production date, stored in a dry place.

CERTIFICATIONS

- ISEGA
- A+ French VOC Regulation
- ASTM C920 S-NS-C50-Nt-T1-M-A-G
- SNJF F25E
- EN 15651-1: F-EXT-INT-CC 25HM
- EN 15651-4: PW-EXT-INT-CC 25HM

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 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.

Bostik S.A.
51, ESPLANADE DU GÉNÉRAL DE GAULLE
92800 PUTEAUX - LA DÉFENSE
TÉL. : +33 (1) 49 00 90 00