



# Den Braven

## Technical Data Sheet

### Zwaluw Silicone 321

Acetoxy silicone for building and glazing joints



#### Product Description

Zwaluw Silicone 321 is an acetoxy sanitary formulated silicone sealant which cures by reacting to moisture to form a durable elastic rubber. The product is UV and weather resistant.

#### Benefits

- Colourfast
- Perfect bonding without primer on glass, glazed tiles, ceramics and most painted surfaces

#### Applications

Zwaluw Silicone 321 was specifically developed for durable elastic sealing of joints in buildings and glazing systems.

#### Directions Of Use

A well-designed joint is a joint with a sufficient width so it would be able to take and process the movement of the adjacent building elements. 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 5mm in width and depth. For joints wider than 10 mm, the depth is the width divided by 3 plus 6 mm. For further questions please contact our technical service.

#### Additional information

100 % modulus	DIN 53504 S2	0,30 N/mm <sup>2</sup>
Application rate	@ Ø3 mm/6,3 bar	200 g/min
Application temperature		+5°C to +40°C
Base		Acetoxy
Curing time	@ +23°C/50% RH	2 mm/24 hours
Density	ISO 1183-1	1,00 g/ml
Elongation at break	DIN 53504 S2	500%
Flow	ISO 7390	< 2 mm
Frost resistance during transportation		Up to -15°C
Joint movement		12,5%
Shorea hardness	DIN 53505	20
Skin formation	DBTM 16	5-6 minutes @ +23°C/50% RH
Temperature resistance		-40°C to +180°C
Tensile strength	DIN 53504 S2	1,30 N/mm <sup>2</sup>

*These are typical values*

#### Limitations

- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates
- Not suitable for applications on concrete, marble, lead, copper and galvanized steel

#### Surface Preparations and Finishing

Application temperature: +5°C to +40°C (environment and substrate). Surfaces must be dry, clean and solid. Clean surfaces with Zwaluw Cleaner. Zwaluw Silicone 321 adheres perfectly without the use of a primer to most non porous substrates, like glass, painted wood, ceramic and enamelled. Always test adhesion prior to application. Use Zwaluw Finisher to smooth the joint.



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#### Paintability

Zwaluw Silicone 321 is not paintable. We recommend covering the edges of the joint with masking tape to prevent the surfaces that need to be painted from being contaminated by silicone.

#### 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)

- Aluminium
- Transparent
- RAL 1015 (Light Ivory)
- White
- RAL 1019 ( Grey Beige)
- RAL 1035 (Pearl Beige)
- RAL 8017 ( Chocolate Brown)
- RAL 8016 (Mahogany Brown)
- Brown
- Grey
- RAL 9016 (Traffic White)
- Black
- RAL 8014 (Sepia Brown)
- Bronze

#### Packaging



- Cartridge

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

#### Shelf Life

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

#### Certifications

	EN 15651-1: F-EXT-INT-CC 12.5E
	EN 15651-2: G-CC EN 15651-3: S XS1
	A+ French VOC Regulation

#### 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.

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