



P590

SEAL'N'FLEX ONE PLUS LOW MODULUS ELASTIC POLYURETHANE SEALANT

TECHNICAL DATA SHEET

BENEFITS

- Extremely elastic, > 1.000% elongation at break
- Zero-bubbling
- Excellent adhesion on porous substrates without primer
- Ultimate UV resistant
- Label-free

PRODUCT DESCRIPTION

Bostik P590 SEAL'N'FLEX ONE PLUS is a *New Generation* one component low modulus professional high quality and durable polyurethane sealant which cures under influence of humidity to form a durable elastic bubble free seal.

APPLICATIONS

Bostik P590 SEAL'N'FLEX ONE PLUS is has been developed as a high quality sealant for all kind of connection and expansion joints many common building materials, such as in concrete, wood, metal, aluminium and PVC frames, masonry and even natural stone, granite and marble.

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 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.



TECHNICAL DATA

100% modulus	ISO 8339	0,30 N/mm ²
Application rate		90 g/ml
Application temperature		+5°C to + 40°C
Base		New Generation PU
Curing time	@ +23°C/50% RH	3 mm/24 hours
Density	ISO 1183-1	1,30 g/ml
Elongation at break	ISO 8339	> 1000%
Joint movement		25%
Shore A hardness	DIN 53505	20
Skin formation	DBTM 10.00	90 min. @ +23°C/50% RH
Temperature resistance		-30°C to +80°C
Tensile strength	ISO 8339	1,20 N/mm ²

These values are typical properties and may vary +/-3%

LIMITATIONS

- Not suitable for PE, PP, PC, PMMA, 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

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 **Bostik T100 UNIVERSAL CLEANER**. **Bostik P590 SEAL'N'FLEX ONE PLUS** adheres perfectly without the use of a primer to most non porous substrates. Porous substrates to be pre-treated with **Bostik T300 UNIVERSAL PRIMER**. Always test adhesion prior to application. Use **Bostik T500 FINISHING SOAP** to smooth the joint.

PAINTABILITY

Bostik P590 SEAL'N'FLEX ONE PLUS 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 **Bostik P590 SEAL'N'FLEX ONE PLUS** 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 **Bostik T100 UNIVERSAL CLEANER**. Cured material can only be mechanically removed. Hands can be cleaned with **Bostik T150 CLEANING WIPES**.

COLOUR(S)

- White
- Off-white
- Light-grey
- Mid-grey
- Dark-grey
- Black

PACKAGING

- 300 ml Cartridge, 12 per box
- 600 ml Sausages, 12 per box

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

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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.

HEALTH & SAFETY

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

CERTIFICATIONS

- Bostik Flex-IQ®
- F-EXT-INT-CC 25LM
- PW-EXT-INT-CC 25LM
- ASTM C920 Type S, Grade NS, Class 50, Use T1 and NT, M, A
- ASTM C1248
- SNJF F25E
- A+ French VOC Regulation

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