



P510 SEAL'N'FLEX CONSTRUCTION

FAST CURE NON BUBBLING CONSTRUCTION SEALANT

TECHNICAL SHEET 28/03/2024

SMART ADVANTAGES

- Fast cure
- Bubble-free curing
- Sag-free, suitable for vertical applications
- Low monomer (label-free)

DESCRIPTION

Bostik P510 Seal'N'Flex Construction is a new generation polyurethane construction sealant and adhesive. The product is one component low monomer polyurethane based. Bostik P510 Seal'N'Flex Construction offers a fast and non-bubbling curing process.

AREAS OF APPLICATION

Bostik P510 Seal'N'Flex Construction is specifically developed as a multipurpose construction sealant.

- Used for expansion and dilatation joints in vertical and horizontal applications.
- Can be applied for weatherproofing of joints between brickwork, blockwork, masonry, wood, metal.
- Suitable for metal roof and gutter sealing
- Relevant for window and door frames perimeter joints
- Designed for connection joints between precast concrete elements.
- Adapted to indoor and outdoor applications for movement and connection joints in floors.

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 wider joints (10 to 40 mm), the depth is the width divided by 3 plus 6mm. For joints bigger than 40 mm, please contact our local technical service department. 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 CHARACTERISTICS

100% modulus	ISO 37	0,6 N/mm ²
Application rate	Ø4 mm/3 bar	300g/min
Application temperature		+5°C to +40°C
Base		Polyurethane
Curing time	@ +23°C/50% RH	4,0 mm/24 hours
Density		1,35 g/ml
Elongation at break	ISO 37	> 800%
Flow	ISO 7390	< 3 mm
Joint movement		20%
Shore A hardness	DIN 53505	25-30

LIMITATIONS

- Not suitable for PE, PP, PTFE, soft plastics, neoprene and bituminous substrates.
- Slight yellowing may occur when white sealant is exposed to ultraviolet rays.
- Not suitable on natural stone.

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 Cleaner. Bostik P510 Seal'N'Flex Construction adheres perfectly without the use of a primer to most porous and non-porous substrates. Always test adhesion prior to application. Use Bostik soap to smooth the joint.

PAINTABILITY

Bostik P510 Seal'N'Flex Construction is paintable with water based and most 2 component paints. We recommend testing compatibility with paint prior to application. If Bostik P510 Seal'N'Flex Construction 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 Cleaner. Cured material can only be mechanically removed. Hands can be cleaned with Bostik Wipes.

SHELF LIFE

In unopened original packaging between + 5°C and + 25°C, shelf life is up to 12 months from production date, stored in a dry place.

CERTIFICATIONS

	EN 15651-1: F-EXT-INT-CC 20HM
	ASTM C920 S-NS-C25-T1-M-A
	A+ French VOC Regulation

HEALTH & SAFETY

For more details, consult the safety data sheet on: <https://bostikdsd.thevercs.com/>

The application recommendations are defined by standards of use. They are imperative to respect them, but they don't need a previous try, especially for a first use or particular inconvenient of support, site or environment. Consult our safety data sheets for precautions to use.

DISCLAIMER

Bostik offers this Technical Data Sheet ("TDS") for descriptive and informational use only. It is not a warranty, a contract or a substitute for expert or professional advice. Please also see the local product Safety Data Sheet for health and safety considerations.

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