



# SMARTFLEX PLUS HYBRID

## Construction and Expansion joints Sealant

### SMART ADVANTAGES

- Free from solvent, Isocyanate
- Excellent UV resistant.
- Excellent weathering seal.
- Excellent tool ability.
- No bubbles formation upon curing.

### DESCRIPTION

Bostik Smartflex Plus Hybrid is medium-high modulus single component, hybrid technology universally used for general construction building materials for porous and non-porous materials. Has high bonding strength for most type of substrates or damp surfaces. It is versatile sealant will not form bubbles even at high humidity.

### APPLICATION

Bostik Smartflex Plus Hybrid is universal sealant used for general expansion and connection joints for most building materials such as aluminum composite, stainless, mild steel, galvanized, window and door frame, UPVC. For concrete, pre-adhesion is required or use of appropriate primer.

### DIRECTION OF USE

Joint with the correct dimensions is able to absorb movement 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, depth is width divided by 3 plus 6mm.

### TECHNICAL CHARACTERISTICS

Base	Hybrid
Consistency	Non-sag
Elongation at break	> 600%
Tensile strength	> 1.5 MPa
Application temperature	+5°C to +40°C
Joint movement	Class 50
Skin formation	<30 minutes @+23°C/50%RH
Shore A Hardness	25-30
Curing time	3mm/24 Hrs (23°Cx50% RH)
Temperature Resistant	-40°C - 90°C

### LIMITATION

- Not suitable for PP, PE, PC, PMMA, PTFE, soft plastics, Neoprene, Bituminous substrates
- Not suitable for continuous water load.

### SURFACE PREPARATIONS AND FINISHING

Application temperature +5°C to 40°C, substrates must be clean dry and free from grease and dust.

**PRIMING:** Bostik Smartflex Plus Hybrid adheres perfectly without the use of primer to non-porous substrates. Always test adhesion prior application.

**IMPORTANT:** For optimum adhesion and in areas of critical, high performance applications such as high stress joints, extreme weather exposure or surfaces that are too porous. The use of primer is required.

#### POROUS SUBSTRATES;

1. For maximum performance on porous surfaces like concrete, use Bostik N49 Primer.
2. Porous substrates not subject to immersion or ponded water e.g. vertical expansion joints in concrete or masonry structures will require pre-adhesion test and application of primer after it was clean, dry and uncontaminated.

## PAINTABILITY

Bostik Smartflex Plus Hybrid Is paintable with water based and most 2K paints. Synthetic paints can be dried slower. We recommend test compatibility with the paint prior to application. If Bostik Smartflex Plus Hybrid Is being painted over (not necessary), we recommend slightly sanding the sealant and junction surfaces with Scotch-Brite. For the best result, we recommend painting within a few days of application.

## COLOURS & PACKAGING

- White
- Gray
- Black

600mL sausages, 20 per carton box

## SHELF LIFE

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

## HEALTH AND SAFETY

For more detailed information refer to Safety Data Sheet.

Technical Data Sheet\_May 2024

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