



# BOSTIK

## STR 60-03

### SILYL MODIFIED POLYMER

#### KEY BENEFITS

- Durable and reliable bonding
- Primerless adhesion
- Free from Isocyanate, Solvent and silicone

#### PRODUCT DESCRIPTION

Bostik STR 60-03 is a high-quality elastic bonding adhesive suitable for elastic bonding constructions in industrial applications.

Bostik STR 60-03 has good resistance to UV, weather and temperature, and exhibits good adhesion performance on a wide variety of substrates (minimal or no pre-treatment necessary) while it can be overpainted with most common industrial paints.

#### APPLICATIONS

- Elastic bonding in in mobility market applications
- Bonding of metals and plastics

#### FEATURES

- Good UV resistance and ageing properties
- Good adhesion on many substrates without the use of a primer
- Neutral, odourless and fast curing
- Paint compatible with most industrial paint and lacquer systems, both alkyd resin- and dispersion based. *(due to the numerous different types of industrial paint a compatibility test is recommended before use, please consult with the paint supplier).*

#### METHOD OF USE

Bostik STR 60-03 can easily be extruded with a hand or air pressure applicator at temperatures between +5°C and +35°C. In bonding applications, the substrates need to be assembled within 15 minutes (at 23°C/50% R.H.) of applying STR 60-03. A minimum adhesive thickness of 2 mm is recommended. Bostik STR 60-03 should be tooled off or smoothed within 15 minutes (at 23°C/50% R.H.) using a spatula or putty knife, occasionally moistened with a watery soap solution (avoid soap containing limonene as these can cause discoloration of the sealant). Avoid soap solution penetrating between joint surface and adhesive, as this will cause loss of adhesion. Cleaning tools or removing uncured residue of STR 60-03 can be done with a clean colourless cloth, wetted with Bostik Liquid 1.

#### TECHNICAL DATA

<b>Basic Material</b>		Silyl Modified Polymer (SMP)
<b>Specific Gravity</b>	[g/ml]	ca. 1.6
<b>Skin Forming Time</b>	[min]	ca. 15
23°C/50% R.H.		
<b>Curing Mechanism</b>		Moisture
<b>Curing Speed</b>	[mm]	ca. 2.5
23°C/50% R.H.		
<b>Shore A Hardness</b>		ca. 60
<b>Colour</b>		White, Grey, Black
<b>Volume Change</b>	[%]	< 3
<b>Tensile Stress At 100%</b>	[MPa]	ca. 2.0
ISO 37 (dumbbells)		
<b>Tensile Stress At Break</b>	[MPa]	ca. 2.4
ISO 37 (dumbbells)		
<b>Elongation At Break</b>	[%]	ca. 130
ISO 37 (dumbbells)		
<b>E-Modulus</b>	[MPa]	ca. 3.5
ISO 37 (dumbbells)		
<b>Shear Stress</b>	[MPa]	ca. 1.7
ISO 4587		
<b>Temperature Resistance</b>	[°C]	-40 to +100*
<b>Application Temperature</b>	[°C]	+ 5 to +40
<b>UV And Weather Resistance</b>		Good

\*= 10 Cycles of 7 hours at 100°C followed by 17 hours at 23°C/50%RH.

#### PACKAGING DESCRIPTION

- 290ml cartridge
- 600ml sausage
- 200l drum

## ADHESION

Bostik STR 60-03 adheres well without primer on most clean, dry, dust and grease free substrates. Due to the wide variety of substrates available Bostik recommends adhesion testing prior to use.

No adhesion will be obtained on untreated polyethylene, polypropylene and Teflon.

Where, due to great thermal or physical loads, high adhesion demands are required, the use of Bostik Prep CS or Prep M (TF) is recommended, especially under wet conditions. Prep CS and Prep M (TF) degrease and prepare the surface of the substrate for bonding in one single step.

On plain, untreated wooden surfaces and porous substrates, Bostik Prep P is recommended to prepare the surface for bonding. For more details on Prep CS, Prep M (TF) and Prep P consult the concerned Technical Data Sheet.

## STORAGE STABILITY

STR 60-03 can be stored for up to 12 months in the original, unopened container in a dry place at temperatures between +5°C and +30°C.

## FURTHER INFORMATION

The following publication is available on request:

- Material Safety Data Sheets (MSDS).

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