STR 360

SILYL MODIFIED POLYMER

KEY BENEFITS

- Good initial tack
- Easy to use
- Free from Isocyanate, Solvent and Silicone

PRODUCT DESCRIPTION

Bostik STR 360 is a high-quality elastic bonding adhesive with good initial tack, suitable for bonding of structures in industrial applications requiring high strength. Bostik STR 360 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).

APPLICATIONS

- Elastic bonding in mobility market applications
- Bonding and sealing 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 360 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 360. A minimum adhesive thickness of 2 mm is recommended. Bostik STR 360 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 sides and adhesive, as this will cause loss of adhesion. Cleaning tools or removing uncured residue of STR 360 can be done with a clean colourless cloth, wetted with Bostik Liquid 1.

TECHNICAL DATA

Basic Material		Silyl Modified Polymer (SMP)
Specific Gravity	[g/ml]	ca. 1.5
Skin Forming Time 23°C/50% R.H.	[min]	ca. 15
Curing Mechanism		Moisture
Curing Speed 23°C/50% R.H.	[mm]	ca. 3
Shore A Hardness		ca. 57
Colour		White, Black
Volume Change	[%]	< 3
Tensile Stress At 100% ISO 37 (dumbbells)	[MPa]	ca. 2.3
Tensile Stress At Break ISO 37 (dumbbells)	[MPa]	ca. 2.7
Elongation At Break ISO 37 (dumbbells)	[%]	ca. 180
Shear Stress ISO 4587	[MPa]	ca. 2.1
Temperature Resistance	[°C]	-40 to +100*
Application Temperature	[°C]	+ 5 to +35
UV And Weather Resistance		Good

* = 10 Cycles of 7 hours at 110°C followed by 17 hours at 23°C/50%RH.

PACKAGING DESCRIPTION

290ml cartridges
600ml sausages
20L and 200L drums

ADHESION

Bostik STR 360 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 is recommended, especially under wet conditions. Prep CS and Prep M 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 and Prep P consult the concerned Technical Data Sheet.

STORAGE STABILITY

STR 360 can be stored for up to 18 months in cartridge and 12 months in sausage, pail, drum, in 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).

DISCLAIMER

Bostik provides this Technical Data Sheet (“TDS”) for descriptive and informational purposes only. It does not constitute a warranty, a contract, or a substitute for expert or professional advice. Please refer to the local product Safety Data Sheet for health and safety information. The statements, technical information, data, and recommendations contained in this TDS are provided “AS IS” without any warranties or guarantees of any kind. They represent typical results for the products based solely on Bostik’s research. Since the conditions and methods of use of the products are beyond our control, Bostik expressly disclaims any and all liability for any damages of any kind that may result from the use of the products, the results obtained, or reliance on the information contained herein.

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