



# STR 350

## Product

Simson STR 350 is a good compromise between an adhesive and a sealant. STR 350 is suitable for making elastic constructive joints and elastic sealings and is based on Silyl Modified Polymer (SMP).

## Applications

- Elastic bondings and sealings in e.g. bus-, caravan- and trailer construction.
- Bonding/sealing of metals and plastics.

## Features

- Solvent-, isocyanate- and PVC free.
- Good UV-resistance and ageing properties.
- Permanent elastic within temperatures from -40°C till +90°C.

## Adhesion

In general STR 350 adheres well without primer on clean, dry, dust- and grease free substrates of aluminium, stainless steel, galvanised steel, zinc, copper, brass, powder coated metal, most lacquered metal surfaces, glass, PVC, polyester (GRP), painted and lacquered wood, etc. No adhesion on untreated polyethylene, polypropylene and teflon. In case of high adhesion demands the use of Simson Prep M is recommended. Prep M degreases and prepares the surface of the substrate in one step. On plain, untreated wooden surfaces and other porous substrates Simson Prep P is recommended. For more details concerning Prep M and Prep P consult the Technical Data Sheets.

For not mentioned substrates and additional information consult Bostik.

## Method of use

STR 350 can easily be extruded with a hand- or air pressure gun at temperatures between +5°C and +35°C. In sealing applications STR 350 should be tooled or smoothed within 10 minutes (at 20°C/50%R.H.) with a spatula or putty knife, occasionally moistened with a soap solution. Avoid soap solution penetrating between joint sides and sealant, because this will create loss of adhesion. In bonding applications the substrates have to be assembled within 20 minutes (at 20°C/50%R.H.) after applying STR 350. In general an adhesive thickness of 2 mm is recommended. Cleaning tools or removing uncured residue of STR 350 can be done with a clean colourless cloth, wetted with Simson Liquid 1. It is recommended to make a trial first to check possible attack of the substrate by Liquid 1.

## STR 350

### Technical data

Basic material	Silyl Modified Polymer (SMP)	
Curing method	moisture	
Specific gravity	ca. 1.5 g/ml	
Skin forming time	ca. 15 min.	(20°C/50% R.H.)
Open time	< 20 min.	(20°C/50%R.H.)
Curing speed after 24 hrs	ca. 2 mm	(20°C/50%R.H.)
Shore A hardness	ca. 50	(DIN 53505)
Volume change	< 3%	(DIN 52451)
Green strength	ca. 250 Pa	(Physica Rheometer MC100)
	(max. load which can be applied per m <sup>2</sup> uncured adhesive without sagging)	
Tensile stress (100%)	ca. 1.5 MPa	(DIN 53504/ISO 37)
Tensile stress at break	ca. 1.8 MPa	(DIN 53504/ISO 37)
Elongation at break	ca. 180%	(DIN 53504/ISO 37)
Shear stress	ca. 1.7 MPa	(DIN 53283/ASTM D1002)
	(Alu-Alu; adh. thickness 2mm; test speed 50 mm/min.)	
Tear propagation	ca. 10 N/mm	(DIN 53515/ISO 34)
	(Type C, test speed 500 mm/min.)	
Solvent percentage	0%	
Isocyanate percentage	0%	
Temperature resistance	-40°C till +90°C	
Application temperature	+5°C till +35°C	
UV- and weather resistance	good	
Colours (standard)	white	
Packaging	290 ml cartridges, 600 ml sausages, other packaging on request.	

### Storage stability

STR 350 in bags and cartridges can be stored for 12 months in an 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 Sheet)

#### UK

Bostik Ltd.  
Stafford  
Tel: +44 (0) 1785 27 27 27  
Fax: +44 (0) 1785 22 26 65

#### France

Bostik S.A.  
Paris  
Tel: +33 (0) 1 74 96 91 18  
Fax: +33 (0) 1 47 96 94 20

#### Germany

Bostik GmbH  
Borgholzhausen  
Tel: +49 (0) 54 25/8 01-0  
Fax: +49 (0) 54 25/80 11 40

#### The Netherlands

Bostik B.V.  
's-Hertogenbosch  
Tel: +31 (0) 73 6 244 244  
Fax: +31 (0) 73 6 244 344

For more Bostik locations please consult [www.bostik.com](http://www.bostik.com)