



SIMSON MSR DC

SILYL MODIFIED POLYMER

SMART ADVANTAGES

- Excellent sandability
- Easy tooling
- Excellent adhesion

DESCRIPTION

Simson MSR Deck Caulk is a 1-component, permanently elastic, fast curing sealant, based on Silyl Modified Polymer (SMP). MSR Deck Caulk has been tested and certified to the International Maritime Organisation Fire Test Procedures for Surface Flammability, resolution A.653 and has been approved for use in wall, ceiling and floor applications.

APPLICATIONS

Watertight sealing of seams in teak decks and other decking materials.

FEATURES

- Solvent- and isocyanate free.
- Very good UV-resistance and ageing properties; long time resistance against fresh and salt water.
- Permanently elastic in a temperature range of -40°C to +100°C.
- Neutral, odourless and fast curing.
- Can be sanded after curing.
- MED Certified by Bureau Veritas: IMO Resolution A.653

ADHESION

In general, Simson MSR deck caulk adheres well without primer on substrates dry and free of dirt and grease for example: aluminium, coated metal, wood and polyester (GRP). After cleaning the teak with Simson Cleaner E the teak has to be pre-treated with Simson Prep P. After the drying time of Prep P (minimum 1hour, maximum 6 hours), Simson MSR Deck Caulk can be applied. For adhesion on other materials than teak, please consult Bostik. For optimum use of the high elasticity of Simson MSR Deck Caulk a minimum joint dimension related to the width of a deck part is recommended. We refer to the table on the next page.

TECHNICAL DATA

CHARACTERISTIC		VALUE
Basic material		Silyl Modified Polymer (SMP)
Curing method		Moisture
Specific gravity	[g/ml]	ca. 1.4
Skin forming time 20°C/50% R.H.	[min]	ca. 25
Curing speed after 24 hrs 20°C/50% R.H.	[mm]	ca. 3
Shore A hardness DIN 53505		ca. 40
Volume change DIN 52451	[%]	< 3
Green strength * Physica Rheometer MC100	[Pa]	ca. 100
Tensile stress (100%) DIN 53504/ISO 37	[MPa]	ca. 1.4
Tensile stress at break DIN 53504/ISO 37	[MPa]	ca. 2.5
Elongation at break DIN 53504/ISO 37	[%]	ca. 250
Shear stress ** DIN 53283/ASTM D1002	[MPa]	ca. 2.1
Tear propagation *** DIN 53515/ISO 34	[N/mm]	ca. 10
Solvent content	[%]	0
Isocyanate content	[%]	0
Temperature resistance	[°C]	- 40 to + 100
Application temperature	[°C]	+ 5 to + 35
UV- and weather resistance		Excellent
Colours (standard)		Black, grey
Packaging		290 ml cartridges, 600 ml sausages

* Max. load which can be applied per m² uncured adhesive without sagging

** Alu-Alu; adh. thickness 2 mm, test speed 50 mm/min

*** Type C, test speed 500 mm/min

ADVISED JOINT DIMENSIONS [mm]		
Width deck part	Min. joint width	Min. joint depth
35	4	6
45	4	6
60	5	6
90	6	7
95	6	8
120	16	10

METHOD OF USE

For specific application instructions please consult the separate instruction brochure "Application manual for bonding and caulking of teak decks".

Simson MSR Deck Caulk can be extruded easily with a hand air pressure mastic gun. Simson MSR Deck Caulk has to be smoothened within 25 minutes (at 20°C/50%R.H.). Removing uncured residues of Simson MSR Deck Caulk or cleaning tools can be done with a clean, colourless cloth, wetted with Simson Liquid 1 or Cleaner E. It is recommended to make a trial first to check possible harmful effects of these cleaners on the substrate.

CLEANING OF TEAK DECKS

See separate instruction brochure "Application manual for bonding and caulking of teak decks".

In order to keep the teak decks in an optimum shape we recommend cleaning the deck with (salt) water and a soft brush. The brush must be used in parallel direction of the teak strokes. After the cleaning we recommend to flush the deck with fresh or salt water. We strictly advise against the use of detergents, cleaners and other chemicals as they might affect the caulk in the deck. The use of high pressure cleaning equipment might damage your deck in a severe way. For other recommendations we advise to contact your local dealer or Bostik.

STORAGE STABILITY

Simson MSR Deck Caulk can be stored for 18 months in cartridges and 12 months in sausages, in an original, unopened container in a dry place at temperatures between +5°C and +30°C.

FURTHER INFORMATION

The following publications are available on request:

- Material Safety Data Sheets (MSDS)
- Certificate Module B IMO A.653

This product has been tested and certified to the International Maritime Organisation (IMO) Fire Test Procedures for surface flammability. Not only the fire retarding properties are excellent, but also the production quality is ensured and regularly audited by Bureau Veritas, which guarantees the constant quality Bostik stands for.



The information given and recommendations made herein are based on Bostik's research only and are not guaranteed to be accurate. The performance of the product, its shelf life, and application characteristics will depend on many variables, including the kind of materials to which the product will be applied, the environment in which the product is stored or applied, and the equipment used for application. Any change in any of these variables can affect the product's performance. It is the buyer's obligation, prior to using the product, to test the suitability of the product for an intended use under the conditions that will exist at the time of the intended use. Bostik does not warrant the product's suitability for any particular application. The product is sold pursuant to Bostik's Terms and Conditions of Sale that accompanies the product at the time of sale. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute permission, inducement, or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

SMART SUPPORT

Please contact your local representative



Bostik S.A.

La Plaine Saint-Denis, France
Phone : +33 (0)1 55 99 90 00
Fax : +33 (0)1 55 99 90 01
www.bostik.fr

Bostik AB

Helsingborg, Sweden
Phone : +46 (0) 42 19 50 00
Fax : +46 (0) 42 19 50 60
www.bostik.se

Bostik Ltd.

Stafford, UK
Phone : +44 (0) 1785 27 27 27
Fax : +44 (0) 1785 22 26 65
www.bostik.co.uk

Bostik Belux SA-NV

Bruxelles, Belgium
Phone : +32 (0) 2 370 20 69
Fax : +32 (0) 2 332 29 01
www.bostik.be

Bostik GmbH

Borgholzhausen, Germany
Phone : +49 (0)54 25/801-0
Fax : +49 (0)54 25/801140
www.bostik.de

Mydrin S.r.l

Milano, Italy
Phone : +39 02 59918.1
Fax : +39 02 59918.815
www.mydrin.it

Bostik B.V.

's-Hertogenbosch, The Netherlands
Phone : +31 (0)7 36 244 244
Fax : +31 (0)7 36 244 344
www.bostik.nl