



## ADHESIVES AND SEALANTS



# MSR Deck Caulk

*The Simson Marine Special Range is a range of products especially developed for nautical applications.*

### Product

MSR Deck Caulk is a one 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(16) 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 free 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  $-40^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$ .
- Neutral, odourless and fast curing.
- Can be sanded after curing.
- MED Certified by Bureau Veritas: IMO Resolution A.653(16).

### Adhesion

For good adhesion on teak wood a clean, dry and grease free substrate is necessary. After cleaning the wood with Simson Cleaner E the teak has to be primed with Simson Primer P. After the drying time of the primer (minimum 1 hour, maximum 6 hours) MSR Deck Caulk can be applied.

For adhesion on other materials than teakwood, please consult Bostik.

For optimum use of the high elasticity of MSR Deck Caulk a minimum joint dimension related to the width of a deck part is recommended. We refer to the table overleaf.

### Method of use

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

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

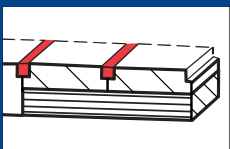
**Cleaning of teak decks:** see also separate instruction sheet "Application manual for bonding and caulking of teak decks".

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 do not recommend the use of detergents, cleaners and other chemicals as they might effect 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.



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## MSR Deck Caulk

### Technical data

Basic material	Silyl Modified Polymer (SMP)	
Curing method	moisture	
Specific gravity	ca. 1.4 g/ml	
Skin forming time	ca. 25 min.	(20°C/50%R.H.)
Curing speed after 24 hrs	ca. 3 mm	(20°C/50%R.H.)
Shore A hardness	ca. 40	(DIN 53505)
Volume change	< 3%	(DIN 52451)
Green strength	ca. 100 Pa	(Physica Rheometer MC100)
	(max. load which can be applied per m <sup>2</sup> uncured adhesive without sagging)	
Tensile stress (100%)	ca. 1.4 MPa	(DIN 53504/ISO 37)
Tensile stress at break	ca. 2.5 MPa	(DIN 53504/ISO 37)
Elongation at break	ca. 250%	(DIN 53504/ISO 37)
Shear stress	ca. 2.1 MPa	(DIN 53283/ASTM D 1002)
	(Alu-Alu; adh. thickness 2 mm, test speed 50 mm/min.)	
Tear propagation	ca. 10 N/mm	(DIN 53515/ISO 34)
	(Type C, test speed 500 mm/min.)	
Solvent content	0%	
Isocyanate content	0%	
Temperature resistance	-40°C till +100°C	
Application temperature	+5°C till +35°C	
UV- and weather resistance	excellent	
Colours	DC black	
Packaging	290 ml cartridges, 600 ml sausages, 20 litre and 200 litre drums	

### Storage stability

MSR Deck Caulk can be stored for 12 months in a closed (unopened) container in a dry place at temperatures between +5°C and +30°C (cartridges 18 months).

### Further information

The following publications are available on request:

- Material Safety Data Sheets (MSDS Sheets)
- Certificates



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.

### Table: Advised joint dimensions (mm)

width deck part	minimum joint width	minimum joint depth
35	5	6
45	5 - 6	6
50	6 - 7	6
75	10	7
100	12	8
125	16	10

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