



MSR DC S

SILICON BASED POLYMER

TECHNICAL SHEET 08/04/2024

KEY FEATURES

- Sandable after curing
- Excellent temperature resistance
- High UV-resistance and chemical resistance

DESCRIPTION

Bostik MSR Deck Caulk S is a 1-component, silicon based, permanently elastic, fast curing sealant specifically developed for deck caulking applications in the yacht and boat building industry.

APPLICATIONS

- Bostik MSR Deck Caulk S is designed for watertight sealing of seams in teak decks and other decking materials.

FEATURES

- Excellent UV-resistance and ageing properties; Excellent resistance against fresh and salt water
- Product can be sanded after curing
- Solvent and isocyanate free
- High chemical resistance

TECHNICAL DATA

CHARACTERISTIC		VALUE
Basic material		Silicone Polymer
Curing method		Moisture
Specific gravity	[g/ml]	ca. 1.3
Skin forming time 23°C/50% R.H.	[min]	10
Curing speed after 24hrs 23°C/50% R.H.	[mm]	ca. 2-3
Shore A hardness		ca. 26
Weight Loss	[%]	ca. 5
Tensile stress (100%) ISO 37 (dumbbells)	[MPa]	ca. 0.5
Tensile stress at break ISO 37 (dumbbells)	[MPa]	ca. 1.3
Elongation at break ISO 37 (dumbbells)	[%]	ca. 475
Shear stress ISO 4587	[MPa]	ca. 1.0
Temperature resistance	[°C]	-40 to +110*
Application temperature	[°C]	+ 5 to +40
UV and weather resistance		Excellent
Colours (standard)		Black, Grey
Packaging		290ml cartridge 600ml sausage 200l drum

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

ADHESION

To obtain an excellent bonding on teak wood, a clean, dry and grease-free surface is required. The teak wood should be cleaned with Bostik Cleaner E and allowed to dry for a minimum of 5 minutes. Bostik MSR DC S can be applied immediately after drying.

For optimal use of MSR DC S's high elasticity, a minimum joint dimension relative to the width of the deck is recommended.

Generally the ratio of joint depth to joint width is 1:1, with a minimum of 5 mm in width and depth.

(Note: general rule valued for joint widths <10 mm)

For joints wider than 10mm, see the separate instruction brochure "Application manual for bonding & caulking of teak decks".

METHOD OF USE

For specific application instructions consult the Bostik instruction brochure "Application manual for bonding & caulking of teak decks"

Bostik MSR DC S can easily be extruded with a hand or air pressure gun at temperatures between +5°C and +40°C.

Bostik MSR DC S should tooled or smoothed within 15 minutes (at 23°C/50% R.H.) of applying MSR DC S.

A minimum adhesive thickness of 2 mm is recommended.

In sealing applications, MSR DC S should be tooled or smoothed within 15 minutes (at 23°C/50% R.H.) using a spatula or putty knife, occasionally moistened with a soap solution.

Ensure to avoid soap solution penetrating between joint surface and adhesive, as this will cause loss of adhesion.

Cleaning tools or removing uncured residue of MSR DC S can be done with a clean colourless cloth, wetted with Bostik Liquid 1 or Bostik Cleaner E

Cleaning of Teak Decks:

See separate instruction brochure "Application manual for bonding & caulking of teak decks". In order to keep the teak decks in optimum shape we recommend cleaning with (salt) water or diluted pH neutral green soap and a soft brush. The brush must be used in a parallel direction to the teak planks. After cleaning the deck should be flushed with abundant fresh or salt water to remove excess soap.

We strictly advise against the use of detergents, cleaners and other chemicals as they may affect the deck caulk. Note that the use of high pressure cleaning equipment can severely damage the deck and deck caulk.

STORAGE

MSR Deck Caulk S can be stored for 18 months in cartridge and 12 months in sausage, in original unopened container in a dry place at temperatures between +5°C and +25°C.

FURTHER INFORMATION

The following publication is available on request:

- Material Safety Data Sheets (MSDS).

SMART HELP

Please contact your local representative



DISCLAIMER

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