MSR DC ADVANCED

SILYL MODIFIED POLYMER

KEY BENEFITS

- Sandable after curing
- High temperature resistance
- Good UV and weather resistance

PRODUCT DESCRIPTION

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

APPLICATIONS

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

FEATURES

- Excellent UV-resistance and ageing properties; good resistance against fresh and salt water
- Product can be sanded after curing
- MED Certified by Bureau Veritas: IMO FTP code 2010
- Solvent and isocyanate free
- High chemical resistance

METHOD OF USE

For specific application instructions consult the Bostik instruction brochure “Application manual for bonding & caulking of teak decks”.
Bostik MSR DC Advanced can easily be extruded with a hand or air pressure gun at temperatures between +5°C and +35°C. Bostik MSR DC Advanced should tooled or smoothed within 25 minutes (at 23°C/50% R.H.) of applying MSR DC Advanced.
A minimum adhesive thickness of 2 mm is recommended. In sealing applications, MSR DC Advanced should be tooled or smoothed within 25 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 Advanced 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.

TECHNICAL DATA

Basic Material		Silyl Modified Polymer (SMP)
Specific Gravity	[g/ml]	ca. 1.4
Skin Forming Time 23°C/50% R.H.	[min]	ca. 25
Curing Mechanism		Moisture
Curing Speed 23°C/50% R.H.	[mm]	ca. 2.5
Shore A Hardness		ca. 48
Color		Black
Tensile Stress At 100%		ca. 1.8
Volume Change	[%]	ca. < 3
Tensile Stress At Break ISO 37 (dumbbells)	[MPa]	ca. 3.0
Elongation At Break ISO 37 (dumbbells	[%]	ca. 200
Shear Stress ISO 4587	[MPa]	ca. 2.1
Temperature Resistance	[°C]	-40 to +110*
Application Temperature	[°C]	+ 5 to +40
UV And Weather Resistance		Excellent

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

PACKAGING DESCRIPTION

290ml cartridge
600ml sausage
200l drum

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.
The deck wood seams should then be pre-treated with Bostik Prep P and allowed to dry for a minimum of 1 hour (max. 6 hours) before application of Bostik MSR DC Advanced.
For optimal use of MSR DC Advanced's high elasticity, a minimum joint dimension relative to the width of the deck is recommended.
For more details on Prep P, consult the concerned Technical Data Sheet.

STORAGE STABILITY

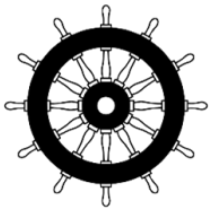
Bostik MSR Deck Caulk Advanced can be stored for 18 months in cartridge and 12 months in sausage, in the original unopened container in a dry place at temperatures between +5°C and +30°C.

FURTHER INFORMATION

- The following publication is available on request: Material Safety Data Sheets (MSDS).

- Certificate GL elastomeric adhesive, class A and B

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



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