MSR CA

SILYL MODIFIED POLYMER

KEY BENEFITS

- Multipurpose
- Excellent adhesion
- Easy Tooling

PRODUCT DESCRIPTION

Bostik MSR Construction Adhesive is a 1-component, permanently elastic, fast curing construction adhesive, specifically developed for bonding and sealing applications in the yacht and boat building industry. Bostik MSR Construction Adhesive has been tested and certified to the International Maritime Organisation Fire Test Procedures for Surface Flammability, following FTP 2010 requirements. Apart from that MSR Construction Adhesive has been approved for use in flooring applications.

APPLICATIONS

- Bonding push borders
- Bonding and sealing deck fittings
- Bonding deck coverings
- Bonding and sealing deck/hull connections
- Bonding deck hatches, portholes and bollards
- Usage as bedding compound when a high initial strength is required.

FEATURES

- Excellent UV-resistance and ageing properties; good resistance against fresh and salt water
- Product can be sanded after curing
- Paint compatible with most industrial paint and lacquer systems, both alkyd resin- and dispersion based.

(due to the numerous different types of industrial paint a compatibility test is recommended before use, please consult with the paint supplier).

METHOD OF USE

Bostik MSR Construction Adhesive can easily be extruded with a hand or air pressure gun at temperatures between +5°C and +35°C.
In bonding applications, the substrates need to be assembled within 15 minutes (at 23°C/50% R.H.) of applying MSR Construction Adhesive. A minimum adhesive thickness of 2 mm is recommended.
In sealing applications, MSR Construction Adhesive should be tooled or smoothed within 10 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 Construction Adhesive can be done with a clean colourless cloth, wetted with Bostik Liquid 1 or Bostik Cleaner E.

TECHNICAL DATA

Basic Material		Silyl Modified Polymer (SMP)
Specific Gravity	[g/ml]	ca. 1.5
Skin Forming Time 23°C/50% R.H.	[min]	ca. 10
Curing Mechanism		Moisture
Curing Speed 23°C/50% R.H.	[mm]	3
Shore A Hardness		ca. 55
Color		White, Grey, Black
Tensile Stress At 100%		ca. 2.0
Volume Change	[%]	ca. < 3
Tensile Stress At Break ISO 37 (dumbbells)	[MPa]	ca. 3.0
Elongation At Break ISO 37 (dumbbells)	[%]	ca. 225
Shear Stress ISO 4587	[MPa]	ca. 2.5
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 sausagek

ADHESION

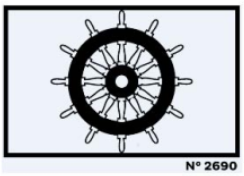
Bostik MSR Construction Adhesive adheres well without primer on most clean, dry, dust and grease free substrates. Due to the wide variety of substrates available Bostik recommends adhesion testing prior to use.
No adhesion on untreated polyethylene, polypropylene and Teflon.
Where, due to great thermal or physical loads, high adhesion demands are required, the use of Bostik Prep CS or Prep M (TF) is recommended, especially under wet conditions. Prep CS and Prep M (TF) degrease and prepare the surface of the substrate for bonding in one single step.
On plain, untreated wooden surfaces and porous substrates, Bostik Prep P is recommended to prepare the surface for bonding. For more details on Prep CS, Prep M (TF) and Prep P consult the concerned Technical Data Sheet.

STORAGE STABILITY

Bostik MSR Construction Adhesive 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 +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.
- This product has been tested and certified to the DNV-GL structural glazing procedures. Approved as class A and B adhesive for bonding of e.g. insulating glass, single-pane safety glass, rails for fastening seats, door frames, single-pane polymer glass and wind breakers.





DISCLAIMER

Bostik provides this Technical Data Sheet (“TDS”) for descriptive and informational purposes only. It does not constitute a warranty, a contract, or a substitute for expert or professional advice. Please refer to the local product Safety Data Sheet for health and safety information. The statements, technical information, data, and recommendations contained in this TDS are provided “AS IS” without any warranties or guarantees of any kind. They represent typical results for the products based solely on Bostik’s research. Since the conditions and methods of use of the products are beyond our control, Bostik expressly disclaims any and all liability for any damages of any kind that may result from the use of the products, the results obtained, or reliance on the information contained herein.

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