

# MS DECK CAULKING H



**MS Deck Caulking H** is a moisture curing one-part sealant based on MS Polymer. Solventless, isocyanate free, not subjected to shrinkage, after curing it shows good elastic properties, excellent resistance to UV rays and to moisture. Tested and certified according to the IMO procedures for surface flammability and approved for use on floor coverings.

- Solventless and isocyanate free.
- No shrinkage and no bubble formation.
- Flexible at low ( $-40^{\circ}\text{C}$ ) and high ( $+100^{\circ}\text{C}$ ) temperatures.
- Good adhesion to wood, metals, GRP.
- Neutral, odourless, safe in use.
- Low flame spread. MED certified by LAPI.
- Compatible with most paints systems.
- It can be sanded and cutted soon after application.
- Good resistance to UV rays and to salt water.

## Typical uses

**MS Deck Caulking H** is specific for waterproof sealing of seams in teak decks of shipbuilding.

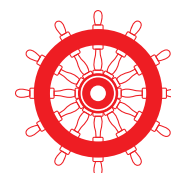
## Properties

<b>Base material :</b>	MS Polymer
<b>Consistency :</b>	Paste
<b>Packaging :</b>	cod. 1004341 290 ml. cartridge - black cod. 1004370 600 ml. sausage - black cod. 1004374 600 ml. sausage - grey cod. 1004375 600 ml. sausage - white

## Technical data

<b>Specific gravity :</b>	1.42
<b>Shore A Hardness (DIN 53505):</b>	50-55
<b>100% modulus (DIN 53504) :</b>	1,5 – 1,7 MPa
<b>Tensile strength (DIN 53504) :</b>	2,7 – 3,0 MPa
<b>Elongation at break :</b>	350 %
<b>Tear resistance (ASTM D 624-73) :</b>	12 N/mm
<b>Skin forming time :</b>	15 min. approx. ( $20^{\circ}\text{C}/50\% \text{ R.H.}$ )
<b>Curing speed :</b>	2-3 mm after 24 h. ( $20^{\circ}\text{C}/50\% \text{ R.H.}$ )
<b>Solids content :</b>	100%

Values given in this table must not be considered as specifications



**MED  
CERTIFIED**

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## Method of use

**Adhesion and surface preparation:** the surfaces must be dry, clean and degreased. Apply an even coat of **Primer LM/BV** to wood. In joints subjected to movement it is suggested, after application of Primer, to apply a release tape in the bottom of the joints in order to exploit the elastic properties of the sealant.

**Application of the sealant and finishing of the deck:** the sealant can be extruded by using a hand operated gun or an air one taking care of the complete filling of the inner parts of the joints and overfilling the outer one.

It is recommended to work at a temperature over than 5°C and to apply the sealant when the primer is fully dried.

If the sealant is not smoothed by spatula immediately after the application, it is recommended to cut the excess of hardened product with a blade before sanding, in order to prevent damages from the action of the sandpaper to the adhesion.

The optimum conditions for sanding are generally achieved after one week. The sanding should be done always lengthwise to the joints, using a band or a lapping machine with grit 80 (Heavy sanding ) and 120 (finishing touch) sandpaper

Any painting of the wood should be done some weeks after the application of the sealant, making previous test to check possible effects on adhesion.

For more detailed information see “**GUIDE FOR SEALING AND BONDING WOODEN DECKS BY USING MS MARINE SYSTEM PRODUCTS**” available on request.

**Chemical resistance:** **MS Deck Caulking H** shows a good resistance to water and to marine environment. A regular washing with water, as well daily in hot climates, keeps the wood at the right level of moisture and normally is sufficient for a good maintenance of the deck. The use of oily products is not recommended, any how it remains to be seen previously on small surfaces. In case of an occasional need of the use of cleansers, is recommended to utilize only liquid soaps for domestic use, diluted with water and rinsed a long time. Avoid aggressive chemical cleansers, whiteners, bleaches, caustic soda and the use of cleaning machines. It bears contact with fuels occasionally and for short period.

## Storage stability

2 months (290 ml. cartridge), 18 months (600 ml. sausage) for the product kept in the original sealed pack at a temperature range from + 5°C to + 25°C.

## Approvals

**MS DECK CAULKING H** has been certified in accordance with Module-B of Dir.96/98/EC and amended as:

“**Surface materials and floor coverings with low flame-spread characteristics**”:

**Floor coverings** - weight 350 g/m<sup>2</sup>

MED: A.1/3.18 (a) (c)

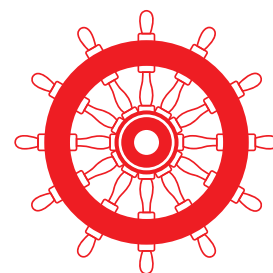
Certificate.n°0987 MED B/619 REV.1

Test reports

- 1628.4IMO0080/15 - Smoke and Toxicity Test
- 1628.4IMO0090/15 - Measure of gross calorific value
- 1628.4IMO0100/15 - Surface flammability test in accordance

**MS DECK CAULKING H** has been certified in accordance with Module-D of Dir.96/98/EC, NO.MED-D-1608 by DNV.

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**NB 0575**



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