

MARINE ADHESIVE

1 – DESCRIPTION

MARINE ADHESIVE is a one-component polyurethane based adhesive that cures with moisture in the air and in the surface applied.

2 – PROPERTIES

- Easy application, low viscosity
- High bond strength
- Water resistant (D4-DIN EN204)
- Can be used on slightly humid surfaces
- Resistant to temperature extremes
- Resistant to moisture and chemicals

3 - APPLICATIONS

- Fixing and gluing wooden elements to other various porous and non-porous elements as wood, metal, concrete, polystyrene foam etc.
- Furniture and boat production.
- All bonding applications that need a high water resistance.

4 - INSTRUCTIONS

Do not use at temperatures below +5 °C. The elements to be bonded must be properly clean and free from dust and grease. One of the substrates must be porous to ensure better curing. Moistening the substrates slightly will provide stronger adhesion. Apply the adhesive with a brush as thin film to one or both surfaces and join the parts within 15 minutes (minimum after 2 minutes). Press the elements together at least for 2 hours. Uncured adhesive can be cleaned by acetone.

5- PACKAGING

Product	Volume	Package
MARINE ADHESIVE	500 gr	12

6- STORAGE AND SHELF LIFE

12 months in unopened cartridge if stored under dry and cool conditions.

7- RESTRICTIONS

- Because this adhesive cures by atmospheric moisture, the shelf life is limited once the bottle is opened. The bottles must be kept tightly closed after use.
- Storage above +35 °C and below -10 °C may shorten the shelf-life.
- Pressing time depends on ambience conditions (temperature, humidity etc.) and porosity of the surfaces to be bonded.

8- SAFETY

Contains Diphenylmethane-4,4'-Diisocyanate. Harmful by inhalation. Irritating to eyes, respiratory system and skin. Do not breathe spray / vapor. Wear suitable protective clothing and gloves. Use only in well-ventilated areas. Keep out of the reach of children.

9- TECHNICAL PROPERTIES

Basis	: Polyurethane prepolymer	
Color	: Light brown	
Curing system	: Moisture curing	
Density	: 1,10 g/ml ± 0,05	(ASTM D1875)
Viscosity	: 5000-15000 cp	cps at 20°C (Spindle No 4, 12 rpm)
Tack-Free time	: 25-50 min (23 °C and 50% R.H.)	(ASTM C679)
Consumption	: Approx. 150 ml/m ²	
Compression time	: Min. 2 hours*	
Water resistant	: Excellent	(D4-DIN EN204)
Temperature resistance	:-30 °C to +100 °C	
Application Temperature	: +5 °C to +35 °C	

* Pressing time depends on ambience conditions (temperature, humidity etc.) and porosity of the surfaces to be bonded.