

EXPRESS MARINE ADHESIVE

1 – DESCRIPTION

Express Marine Adhesive is a one-component, fast curing liquid polyurethane adhesive. It possesses high water resistance and bonding strength.

2 – PROPERTIES

- Fast curing
- Low press time
- Transparent
- Extremely high bond strength on numerous substrates.
- Conforms to D4 according to DIN EN 204
- Easy to use
- Very good resistance to chemicals.
- Excellent resistance to moisture and weather conditions.
- Nonshrinking
- Low odour
- Useable in slightly wet substrates

3 - APPLICATIONS

- Fixing and gluing wooden elements to other various porous and non-porous elements as wood, metal, concrete, polystyrene foam and other plastics.
- 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. 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
Express Marine Adhesive	600gr	12

6- STORAGE AND SHELF LIFE

9 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

Harmful. Contains Diphenylmethane-4,4'-Diisocyanate. Harmful by inhalation. Irritating to eyes, respiratory system and skin. Do not breathe spray/vapour. 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	: Transparent	
Curing system	: Moisture curing	
Density	: 1.10 g/ml \pm 0.01	(ASTM D1875)
Viscosity	: 4000-5000 cp	cps at 20°C (Spindle No 4, 12 rpm)
Temperature resistance	:-30 °C to +100 °C	
Tack-Free time	: 10 \pm 5 min (23 °C and 50% R.H.)	(ASTM C679)
Consumption	: Approx. 150 ml/m ²	
Compression time	: At least 15 min*	
Water resistant	: None	(D4-DIN EN204)

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