

WGE EXPRESS PU WOOD MARINE ADHESIVE

1 – DESCRIPTION

SILIFIX WGE 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.
- Fixing of raised flooring layings in combination with mechanical fixtures.
- 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 2 minutes. Press the elements together at least for 15-20 min. Uncured adhesive can be cleaned by acetone.

5- PACKAGING

Product	Weight	Package
WGE (Plastic Bottle)	560gr	12
WGE (Plastic Bucket)	20 kg	1

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

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 $\pm$ 0.05	(ASTM D1875)
Viscosity	: 3000 $\pm$ 1000 cp	cps at 20°C (Spindle No 4, 12 rpm)
Temperature resistance	:-30 °C to +100 °C	
Tack-Free time	: 5-15 min (23 °C and 50% R.H.)	(ASTM C679)
Consumption	: Approx. 150 ml/m ²	
Compression time	: At least 15 min*	
Water resistant	: Excellent	(D4-DIN EN204)

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