

**Technical Adhesives / Polyurethane Based Adhesives**

# POLAN<sup>®</sup> 975

Polyurethane Based Wood and Marine Adhesive

**DESCRIPTION**

Polyurethane based, single component, multi-purpose **wood and marine** adhesive.

**APPLICATION AREAS**

- Indoor and outdoor
- Repairing wooden balustrade, staircases, door frames and in fixing them to various surfaces such as metal, concrete etc.
- Furniture production
- Boat construction.

**TECHNICAL PROPERTIES**

<b>Appearance</b>	Light brown colored flowable adhesive
<b>Density</b>	1.10 ± 0.05 g/cm <sup>3</sup>
<b>Film Formation Time</b>	50 ± 10 minutes
<b>Application Temperature</b>	Between +5°C and +35°C
<b>Service Temperature</b>	-30°C / +100°C

**ADVANTAGES**

- Single component** and easy to apply thanks to its low viscosity
- Has **high adhesive** property
- Does not lose volume or mass when cured
- Resistant to water.** Is in class D4 according to DIN EN 204 Standard.
- Prevents mold and fungus formation.
- Adheres perfectly on many surfaces without primer
- Protects its elasticity even in low and high temperatures (-30°C and +100°C) once cured.

**CONSUMPTION**

Approximately 150 ml/m<sup>2</sup>

**PACKAGING**

600 g plastic bottles

## APPLICATION

**PREPARATION OF THE SURFACE**

- The surface must be clear of materials that prevent adhesion such as dust, engine oils, tar, paint, silicone, curing material, detergent and mold release agents.
- Moisturizing the surface slightly accelerates curing.

**APPLICATION**

- Cut the tip of the plastic bottle so that the stopper can be closed.
- Apply the product in thin layers on both surfaces to be adhered with a short-haired brush or a lint-free cotton cloth.
- Start pressing both surfaces within approximately 15 minutes and continue pressing for at least 2 - 4 hours.
- The product cures by swelling slightly and thus fills the gaps between the applied surfaces.
- Curing speed and the amount of swelling vary depending on the humidity and temperature of the environment and the surface.
- Product curing takes place within the first 10 to 30 minutes. Wipe the undesirable foams with a cloth with cellulosic thinner or acetone while still wet.

**CAUTION**

- Avoid application at temperatures below +5°C and above +35°C.
- Since the product cures with air, close the package immediately and tightly after each use.
- Apply outdoors or in well-ventilated areas.
- The compression time depends on the humidity and temperature of the environment and the porosity (absorbency) of the materials to be bonded.

**SHELF LIFE**

Expires in 12 months. Store unopened packages between +10°C and 25°C, stack up to 5 packages on the pallet. Storage area must be protected from sunlight, must be dry, cool and moisture free.

**HEALTH AND SAFETY**

Contains diphenylmethane -4,4 diisocyanate. As with all chemical products, avoid contact with food products, skin, eyes and mouth during use and storage. During the application, use work clothes, protective gloves and glasses in accordance with the occupational and worker health rules. Consult a doctor if accidentally swallowed. In case of contact with skin, rinse with water. Since it contains flammable substances, do not smoke, light a fire or use tools that can produce sparks (fans, etc.) during the application. Do not leave the cover open. Store out of the reach of children. Make sure to use in well ventilated areas.

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at 23±2°C temperature and 50±5% relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Yapı Chemicals San. Trade Ltd. Sti. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.