

## TECHNICAL DATA SHEET (TDS)

### PU WOOD ADHESIVE D4 EXPRESS

#### 1 – DESCRIPTION

**PU Wood Adhesive D4 Express** is a one-component, fast curing liquid polyurethane adhesive. It possesses high water resistance and bonding strength.

#### 2 – PROPERTIES

- Easy application, low viscosity
- High bond strength
- Fast Curing
- 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.
- 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 (minimum after 2 minutes). Press the elements together at least for 15-20 minutes. Uncured adhesive can be cleaned by acetone.

#### 5- PACKAGING

Product	Volume	Package
PU Wood Adhesive D4 Express	150 gr / 560 gr.	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

<b>Basis</b>	: Polyurethane prepolymer	
<b>Curing system</b>	: Moisture curing	
<b>Density</b>	: 1,10 g/ml ± 0,05	(ASTM D1875)
<b>Viscosity</b>	: 5000-15000 cp	cps at 20°C (Spindle No 4, 12 rpm)
<b>Tack-Free time</b>	: 5-15 min. (23 °C and 50% R.H.)	(ASTM C679)
<b>Consumption</b>	: Approx. 150 ml/m <sup>2</sup>	
<b>Compression time</b>	: At least 15 min*	
<b>Water resistant</b>	: Excellent	(D4-DIN EN204)
<b>Temperature resistance</b>	:-30 °C to +100 °C	
<b>Application Temperature</b>	: +5 °C to +35 °C	

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