

## PRODUCT DATA SHEET

PRODUCT: AKFIX 610 PU EXPRESS MONTAGE ADHESIVE

### Description

**Akfix 610** is a single component, fast curing polyurethane based adhesive. It combines high bond strength with fast curing. The water resistance property makes it exceptionally good at bonding wooden surfaces where water splash and moisture is an issue.

### Features and Benefits

- Fast curing, low press time.
- Conforms to D4 according to DIN EN 204.
- Transparent.
- Extremely high bond strength on wooden substrates.
- Thixotropic, non-sag, ideal for vertical joints.
- Low consumption, economical.
- Usable on slightly wet substrates.
- Very good resistance to chemicals.
- Excellent resistance to moisture and weather conditions.
- Good filling properties.
- Non-shrinking.
- Low odour.

### Application

- It is suitable for use in construction and repair applications where a permanent strong bond is required between porous-porous and porous-nonporous surfaces.
- Bonding wooden surfaces at bathroom, kitchens, decks etc. where there is a constant moisture and water contact risk.
- It can be used for bonding various kinds of construction materials such as wood, MDF, concrete, metal, polystyrene and polyurethane foam, marble, granite and ceramic etc.



## 15 Minutes of Low Press Time

### Instructions

- The substrates must be dry clean, free of dust and grease.
- The application temperature should be between 5oC and 35oC.
- Moistening the substrates slightly will provide stronger adhesion.
- Adhesive should be applied to only one side in straight or wave-like form within 2 minutes.
- Mechanical fasteners must be used to keep the materials together (15-20 min.) until the adhesive cures totally.
- Fresh adhesive can be cleaned with acetone.

Note: The information and specifications provided is to the best of our knowledge. The technical data contained herein are true and accurate at the date of issue and are subject to change without prior notice. No guarantee of accuracy is given or implied. We guarantee our products to conform to ASHAK Construction Chemicals quality control. We cannot be held responsible or liable, directly or indirectly for the use of our products, coverage, performance or injury resulting from use, as we have no control over the method of application used or site conditions. For further technical and method statements, contact our Technical representatives.

### Standards

Meets or exceeds the requirements of the following specifications:

- D4 classification according to DIN EN 204.
- Tested according to DIN EN 14257 (WATT 91).

### Restrictions

- Storage above 35 °C may shorten the shelf life
- Not suitable for polyethylene, polypropylene, nylon, ABS, PTFE
- Should be tested before application for specific substrates

### Shelf life & storage instructions

12 months between 5 °C and 25 °C in closed original packaging. Failure to comply with these recommendations will result in a reduction in shelf life

### Safety & Disposal

Contains Diphenylmethane-4,4 di-isocyanate. Corrosive and irritating to eyes, skin and lungs. Harmful if swallowed. Wear chemical resistant gloves and eye protection when in contact. Keep container tightly closed when not in use. Prevent spillages

### Product

Product Type	Volume	Package
610	310 mL	12
610 (Blister)	50ml	30

### Properties

<b>Basis</b>	Polyurethane prepolymer	
<b>Colour</b>	Transparent	
<b>Density</b>	1.13 ± 0.03 gr/ml	
<b>Tack-Free Time</b>	5-10 min. (at 23 °C and %50 R.H.)	
<b>Consistency</b>	Thixotropic	
<b>Consumption</b>	Approx. 150 g/m <sup>2</sup>	
<b>Shrinkage</b>	None	
<b>Pressing Time</b>	15 – 20 min.*	
<b>Temperature Resistance</b>	-20 °C to +80 °C	
<b>Application Temperature</b>	+5 °C to +35 °C	
<b>Maximum Shear Strength</b>	(beech-beech)	
<b>After 15 min</b>	> 50 kgf/cm <sup>2</sup>	
<b>After 24 hours</b>	> 100 kgf/cm <sup>2</sup>	
<b>After 7 days</b>	≈ 120 kgf/cm <sup>2</sup>	(DIN EN 205)
<b>After 7 days at 80 °C</b>	≈ 100 kgf/cm <sup>2</sup>	(WATT 91)
<ul style="list-style-type: none"> <li>• Pressing time depends on ambience conditions (temperature, humidity etc.) and porosity of the surfaces to be bonded.</li> </ul>		

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