



# 968P

## UNIVERSAL WOOD ADHESIVE

A single component, fast curing, polyurethane based special adhesive foam. Provides high bonding strength and fast curing properties. Designed for bonding wooden types, brick, aerated block, stone, natural stone etc. construction elements.

### FEATURES & BENEFITS

- **A special product which is transforming with collapsing from foam form to gel adhesive form in a couple of seconds after application,**
- **One component, fast curing, easy to use,**
- **Extremely high bond strength on wood, concrete and stone variations.**
- Suitable to use at interior and exterior applications.
- Conforms to D4 according to DIN EN 14257 (WATT 91). According to internally tests,
- Low press time. Just 15 minutes,
- Low consumption, economical,
- Remarkable resistance to weather conditions.
- More economical, practical and easy to use.
- Minimum expansion during drying period.
- Usable at low temperature like +5 °C.
- It does not contain any propellant gases which are harmful to the ozone layer.

**15 Minutes of  
Low Press  
Time**

### APPLICATION AREAS

- To bond wooden types. MDF, Chipboard, Plywood, Laminate, OSB etc.
- At furniture production, wooden door-window production, wooden construction element bonding and decorative material bonding applications,
- As a Marine Adhesive, Montage Adhesive and PU Wood Glue,
- Bonding structural blocks of non-bearing interior walls at construction,
- For use in construction and repair applications where a permanent strong bond is required between porous-porous and porous-nonporous surfaces,
- Usable at;
  - Concrete pavers/slabs,
  - Segmental retaining walls and columns,
  - Cast stone copings,
  - Landscape blocks and bricks,
  - Polystyrene foam board,
  - Cellular lightweight concrete elements,
  - Ornamental precast,
  - Natural & manufactured stone,
  - Brick, aerated block, cinder block, bims block, gypsum block and gypsum panel bonding.



## INSTRUCTIONS

- Optimal can temperature is +20 °C.
- Optimal application temperature is in between +5°C and +30 °C.
- Shake the can well before use. Screw the can onto an applicator gun.
- The outflow of the foam can be regulated with the trigger and controlled with the adjustment screw on the back side of the gun.
- Always keep the can upside down during application.
- Surfaces must be clean and free of oil or dust.
- It can adhere to even slightly damp surfaces.
- Apply the adhesive in between surfaces and apply a slight force to substrates. You may use a plastic hammer.
- Adhesive should be applied to only one side in straight or wave-like form within 2 minutes.
- Mechanical fasteners should be used to keep the materials together (15-20 min.) until the adhesive cures totally.
- The amount of the foam that will be used depends on the thickness.
- For a better appearance it is not recommended to apply the adhesive to the edges and corners. At least 2 or 3 cm gap must be left on the edges and corners and the adhesive should be applied to inner sides.
- Fresh foam can be cleaned by Akfix Foam Cleaner. Cured foam can be cleaned barely mechanically.

## RESTRICTIONS

- Storage above +30 °C and below +5 °C shortens shelf life.
- Should be stored and transported in vertical position.
- Should be kept in room temperature for at least 12 hours before the application.
- Cured foam will discolor if exposed to ultraviolet light.
- Paint or coat the cured foam for best results in outdoor applications.
- Applications at low temperatures decreases yield and curing time.

## SAFETY

- Contains Diphenylmethane-4, 4'-Diisocyanate. Harmful by inhalation. Irritating to eyes, respiratory system and skin.
- Do not breathe spray/vapor. Use only in well-ventilated areas.
- Wear suitable protective clothing and gloves.
- Pressurized container. Keep away from direct sunlight and do not expose temperatures over 50 °C.
- Do not pierce or burn, even after use.
- Keep away from sources of ignition, no smoking.
- Keep out of the reach of children.

## STORAGE AND SHELF LIFE

- 12 months if stored in proper conditions.



## PROPERTIES

<b>Basis</b>	: Polyurethane Prepolymer	
<b>Curing System</b>	: Moisture Cure	
<b>Tack-Free Time</b>	: 5-8 min	(ASTM C1620)
<b>Full Cure-Time</b>	: 24 hours	
<b>Foam Color</b>	: Light Yellow	
<b>Metric yield</b>	: 71 meters in (1 cm) bead	(23°C %50 R.H.)
<b>Fire Class of the Cured Foam</b>	: B3, F	(DIN 4102-1)(EN 13501-1)
<b>Pressing Time</b>	: 15 – 20 min.*	
<b>Shear Strength (beech-beech)</b>		
<b>After 15 min</b>	: > 100 kgf/cm2	
<b>After 24 hours</b>	: > 130 kgf/cm2	
<b>After 7 days</b>	: > 160 kgf/cm2	
<b>Temperature Resistance</b>	: -40°C to +90°C	
<b>Application Temperature</b>	: +5°C to +30°C	

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

## PACKAGING

Product	Volume	Package
Universal Wood Adhesive	400 mL	12

## DISCLAIMER

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