



WOOD ADHESIVE PVAC KM45 (D4)

WATERPROOF, 1-COMPONENT, PVAC WOOD GLUE



PRODUCT DESCRIPTION

Waterproof (EN 204 D4), white, single-component wood adhesive based on PVAC.


FIELD OF APPLICATION

For waterproof (D4) joining and laminating of practically all soft, hard and exotic types of woods. Suitable for well-fitting, non-bearing wood structures using various finger joints, dovetails, mortise and tenon joints, dowels and springs. Suitable for interior and exterior applications including frames, windows, doors, fencing and furniture. For surface bonding wood, hard and softboard, chipboard, multiplex plywood, MDF, paper, cardboard and hardboard. Also suitable for laminating veneer and hard plastic sheet (HPL, Formica, Duropal, Resopal) on a wooden surface. D4: Interiors where flowing water or condensation are present over long periods on a regular basis. Exteriors exposed to the influences of the weather, providing effective protection for bonded wood.

PROPERTIES

- For internal and external use (EN 204 D4)
- Waterproof
- Transparent when dry
- Solvent-free
- Paintable

CERTIFICATES & STANDARDS

Certificates	
	KOMO: Adhesives for non-bearing applications. Certificate 32394 based on BRL 2339 (EN 204: D4 Class, Watt '91).

PREPARATION

Working Conditions: The ambient temperature, the adhesive and the materials to be bonded should not be less than +5°C. Relative air humidity of up to 65%. The moisture content of the wood should be between 8% and 16%.

Surface Requirements: Surfaces must be clean, dust and grease-free and a good fit.

Preliminary Surface Treatment: Degrease oily types of wood with an appropriate cleaner.

Tools: Fine-toothed adhesive spreader (1 mm), brush, roller or adhesive injection equipment, clamps or press.

APPLICATION

Coverage: 5-7 m²/kg, applied on both sides, depending on the nature of the materials.

Directions for use:

Stir well before use.

Apply the adhesive thinly and evenly on one or both parts using a fine-toothed adhesive spreader (1 mm), brush, roller or pneumatic adhesive injection equipment. Allow the adhesive to soak in for a couple of minutes. Assemble joint within 8 minutes then clamp or press.

Stains/residue: Remove adhesive residues immediately with water. Dry adhesive residue can only be removed mechanically.

Points of attention: Avoid corrosion on metal parts (e.g. pump or machinery components). Use only acid resistant components with mechanical processing.

Our advice is based on extensive research and practical experience. However, in view of the large variety of materials and the conditions under which our products are applied, we assume no responsibility for the results obtained and/or any damage caused by the use of the product. Nevertheless, our Service Department is always at your disposal for any advice needed.



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TECHNICAL SPECIFICATIONS

Chemical base:	Polyvinyl acetate dispersion
Colour:	White (Transparent when dry)
Density approx.:	0.99 g/cm ³
Dilute:	Dilute only with water.
Filling capacity:	Nil
Minimum temperature resistance:	-20 °C
Maximum temperature resistance:	60 °C
Moisture resistance:	Very good
Open time approx.:	8 minutes
Paintability:	Good
pH-value approx.:	3,5
Pressure:	5-10 kg/cm ²
Solid matter approx.:	50 %
Time to press (+20°C):	15 minutes
Viscosity:	Liquid
Viscosity approx.:	5500 mPa·s
Water resistance:	Very good
White point approx.:	10 °C

STORAGE CONDITIONS

Shelf life: At least 9 months after production.

Store in properly sealed packaging in a dry place at between +10°C and +20°C.

Limited shelf life after opening.

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