

TECHNICAL DATA SHEET

PENOSIL WoodFix PVA D2 637

Single-component PVA-type short term moisture proof wood adhesive for indoor use, perfect for gluing all kinds of soft wood, fabrics, paper, cardboard, etc., at works that require a great force of adhering.

Main benefits

- Excellent adhesion on most different types of wood and other porous materials
- Low odour
- Withstands load
- Cleanable with water
- Excellent resistance to sea water
- Short term moisture resistance class D2
- Wood limit relative humidity: 18%
- Quick and strong connection
- Fast curing
- Solvent free
- Easy to apply
- After drying semi-transparent and solid
- Indispensable in furniture industry

Fields of application

- Connecting wooden parts in places where short term moisture proofness of the adhesive connection is required, e.g furniture; window- and doorframes, other carpentry works.
- Particularly suitable for sticking any sort of porous material: wood, paper, cardboard, fabric, ceramics, etc. allowing works that require great bonding force.
- Suitable for indoor instalment of laminate and sheet-parquet.
- Various handicraft works.

Adhering

- Wood
- Paper
- Cardboard and corrugated fibreboards
- Hard-back books
- Porcelain and ceramics
- Leather
- Fabric
- Cork
- Felt
- Plaster
- Cover plates
- Linoleum with insulated base
- Masonry

Application instructions

Application conditions

Application temperature >+10°C. Minimum film forming temperature: +3°C.

Surface preparation

Substrates must be clean, dry, and free of dust, grease and other contaminant which may affect the adhesion. Surface cleaning must be done with the appropriate products for each type of support and according to the recommendations detailed by their manufacturers. Porous substrates must be mechanically cleaned from loose particles.

Application method

After surface preparation, the adhesive can be applied directly or by brush, roller or glue gun.

Stir well the product before using and apply a thin layer on the two surfaces to be glued, in strips or little spots. Immediately connect the surfaces by pressing the supports, and keep the materials fixed with any mechanical fixing system, until the film is completely dry.

It is recommended to always apply an excess of glue to ensure good final adhesion. This excess can be easily removed with the help of a damp cloth.

Open time and pressing time are values given as a guide. Due to the wide variety of factors that may influence the results, pre-tests should be done to determine the exact values.

Higher wood humidity levels may influence the setting of the glue.

Once dry the product is almost transparent.

The final strength will be reached after 24 hours of application.

Cleaning

Uncured product can be easily removed with water. Excess glue applied can be removed with the help of a damp cloth, tools can easily be cleaned if immersed in water for a few hours. It is important to remove excess glue, as the adhesive is not possible to varnish.

Dry adhesive can be cleaned with toluene or mechanically sanded.

Technical data

Properties	Value	Unit
Consumption	150-180 (depending on the nature of the surface)	g/m ²
Basis	Polyvinyl acetate	
Consistency	Liquid	
Density (DIN 53 217)	1,17	g/cm ³
Total solid content	56 (±1)	%
Open time	30	min
Pressing times	Hardwood: 20-30 (at 20°C) Softwood: 15-20 (at 20°C) Laminated 1,5 mm: 30-40 (at 20°C) Laminated 0,9 mm: 4-5 (at 60°C)	min
Viscosity Brookfield LVF, spindle 5, 20rpm	17 000	mPa.s (cP)
Ultimate resistance	After 24 h	

The values specified were obtained at +23 °C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

Technical classification and certificates

- Moisture resistance class D2 (EN 204)

Colour

White.

Package

500 g plastic bottle.

6 kg plastic bucket.

Storage conditions and shelf life

Guaranteed storage time 24 months starting from production date if stored in its unopened original container, in a cool and dry place tempered at 20°C. Avoid freezing.

Limitations

- A preliminary adhesion test is recommended on every surface.
- When bonding certain types of exotic or tropical wood staining can occur.
- It cannot be painted or varnished.

Safety regulations

Ensure sufficient ventilation during application and wear necessary personal protective equipment. More specific safety information is available on the safety data sheet (SDS).

Note: The instructions in the present documentation are based on tests carried out by the manufacturer and are presented in good faith. Due to variations in materials and substrates as well as the various application possibilities that are beyond our control, the manufacturer is not liable for the results achieved. In any case, it is recommended to test the product suitability at the place of application. Manufacturer reserves the right to modify products without prior notice. This TDS replaces and supersedes all previous data sheets on the same product.