



Wood Adhesives

MINOS WOOD ADHESIVE

Technical Data Sheet

Reviewed: 02.02.2016



DESCRIPTION

MINOS WOOD ADHESIVE is a white waterbased, thixotropic, fast curing wood adhesive based on PVA, which dries transparent. Offers a high strength bond, resistant to heat, aging, vibrations and shocking. Does not stain, it is odorless, and environmentally friendly. Suitable for interior applications.

ADVANTAGES

- Excellent bonding strength
- Humidity resistance
- Temperature resistance
- Resistance to ageing
- Dries transparent
- Environmentally friendly

APPLICATIONS

- Suitable for all wood constructions.
- Bonding of hard and soft wood mitre joints.
- Bonding of MDF, plywood, veneers.
- Bonding plasterboard, polystyrene, cork, cardboard, fabric to chipboard and MDF.

INSTRUCTIONS FOR USE

1. All surfaces must be dry and clean from dust and grease and fit closely together.
2. Stir adhesive thoroughly before use
3. Apply the adhesive with a brush, roller, spatula or directly from the nozzle.
4. Apply an even film of adhesive to one surface only.
5. Allow the adhesive to soak into the parts for some minutes.
6. Assemble the joint whilst adhesive is still wet and apply light pressure.
7. The use of clamps or press is suggested. The pressure must then be sufficiently high and evenly applied to the entire surface.

It is advisable to perform a suitability test prior to full scale application

CLEANING

Clean all equipment immediately after use with water.

REMARKS

- Do not use below 12°C and relative humidity >60%
- Ideal moisture content of the wood: 8 - 12%
- Significant irregularities reduce the contact surface and therefore will lead to unsatisfactory bonding results.

COVERAGE

80 - 200 gr/m² depending on surface porosity and condition

TECHNICAL CHARACTERISTICS

Consistency: Thick paste

Colour: White

Base: Polyvinyl acetate

Dry film: Transparent

Odour: Slight

PH: 4-5

Water solubility: Unlimited at 20°C

Solids: 50 ± 1% MVPF 01

Specific gravity: 1000 - 1060kg/m³ 25°C

Viscosity: 50000 - 80000 mpas 25 °C BROOKFIELD

Open time: 15 - 20 minutes 20°C

Initial bonding: 30 minutes 20°C

Clamping time:

Depends on surface, room temperature and humidity. We suggest indicatively 60 – 90 minutes at 20°C for one side application and wood humidity 10%. The joints obtained by using **MINOS WOOD ADHESIVE** show an excellent resistance to static loads. Moreover the good penetration of the dispersion into substrates and the excellent cohesive strength of the adhesive enable the making of bonded joints that, under shear stress in compression, show a breaking of the wood itself.

Final bonding: Subsequent processing of the bonded parts is possible after 3 - 5 hours. Final strength is achieved after approximately 24 hours at 20°C.

Application temperature: 10°C - 35°C

STORAGE

Products should be stored in a dry and cool place at a temperature of 5°C -35°C, away from sources of ignition. Protect from humidity and direct sunlight.

SHELF LIFE

12 months from the production date in the above mentioned storage conditions. The product should remain in the original unopened packaging bearing the manufacturer's batch number.

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PACKAGING

Plastic bottles : 750gr

Plastic containers: 500gr, 1kg, 5kg,

PACKAGING	CODE	BARCODE
Plastic Bottle 750gr	9187	5204094091875
Plastic Container 500gr	9186	5204094091868
Plastic Container 1Kg	9189	5204094091899
Plastic Container 5kg	9188	5204094091882

HEALTH & SAFETY INFORMATION

P101: If medical advice is needed, have product container or label at hand **P102:** Keep out of reach of children **P103:** Read label before use **P501:** Dispose of the contents/containers in accordance with the current legislation on waste treatment

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



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