



Wood Adhesives

TEMPO MARINE D4

Technical Data Sheet

Reviewed: 06.06.2015



DESCRIPTION

The new waterbased D4 wood adhesive

TEMPO MARINE D4 is polymer dispersion wood adhesive formulated for high specifications bonding. Offers rapid and high strength bonding as well as excellent resistance to humidity conditions. It is most suitable for outdoor applications. Dries transparent. **Complies to specification EN 204/D4.**

ADVANTAGES

- One component
- Excellent bonding strength
- Excellent water resistance D4 (waterproof)
- Suitable for exterior use
- Fast bonding
- Temperature resistance
- Resistance to ageing
- Dries transparent
- Environmentally friendly

APPLICATIONS

- It is suitable for exterior timber constructions such as wooden pergolas, door and window wooden frames etc.
- Marine applications
- Bonding of hard and soft wood, MDF, formica, soft- and hardboard, synthetic resin board, chipboard, veneers which are exposed to high humidity and water conditions.
- Bonding of furniture where high resistance to humidity and ageing is required.
- Bonding of other materials on chipboard, wood and board, such as cardboard, paper or textile-backed PVC cloth.

INSTRUCTIONS FOR USE

1. All surfaces must be dry and clean from dust and grease.
2. Apply the adhesive with a brush, roller, spatula or directly from the nozzle.
3. Apply an even film of adhesive to one surface only.
4. Allow the adhesive to soak into the parts for some minutes.
5. Assemble the joint whilst adhesive is still wet and apply light pressure.

6. 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

- Application temperature: 18°C - 25°C
- Do not use below +12°C
- Ideal moisture content of the wood: 8-12%
- Significant irregularities reduce the contact surface and therefore will lead to unsatisfactory bonding results.

COVERAGE

100 - 200 gr /m² depending on surface porosity and condition

TECHNICAL CHARACTERISTICS

Consistency: Viscous liquid

Colour: White

Base: Homopolymer

Dry film: Transparent

Odour: Slight

PH: 3 ± 0,2 MVPF 07

Solids: 50 ± 4% MVPF 01

Specific gravity: 1,1 gr /dm³ MVPF 18

Viscosity: 6000 ± 3000 mPa.s MVPF 02

Minimum film formation temperature: +3°C UNI 8490-14

Initial bonding: 30 minutes (25°C)

Pressing: application of adhesive on both sides at a rate of approximately g /m²

Pressing condition: 0,5+1,0mm²

Pressing time: 30 – 90 minutes

The joints obtained by using **TEMPO MARINE D4** 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 3-5hours. 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 5kg

PACKAGING	CODE	BARCODE
Plastic bottle 750gr	1019	5204094010197
Plastic container 5Kg	1021	5204094010210

HEALTH & SAFETY INFORMATION



H315 - Causes skin irritation **H319** - Causes serious eye irritation
EUH210 - Safety data sheet available on request. **EUH208** - Contains 2-Octyl-2H-isothiazol-3-one; Glyoxal. May produce an allergic reaction **P280**: Wear protective gloves/protective clothing/eye protection/face protection **P302 + P352**: IF ON SKIN: Wash with plenty of water and soap **P305 + P351 + P338**: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Substances that contribute to the classification: Aluminium chloride , Sodium meta bisulfite

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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