



# Wood Adhesives TEMPO EXPRESS

## Technical Data Sheet

Reviewed: 06.06.2015



### DESCRIPTION

#### No 1 professional choice for hardwood

**TEMPO EXPRESS** is a waterbased PVAC dispersion wood adhesive formulated for high performance bonding. It offers rapid and high strength bonding as well as temperature and humidity resistance. It is specially formulated for hardwood and exotic wood applications. Dries transparent.

### ADVANTAGES

- Excellent bonding strength
- Rapid application
- Wide range of bonding applications
- Humidity resistance
- Temperature resistance
- Resistance to ageing
- Dries transparent
- Environmentally friendly

### APPLICATIONS

- Bonding of hardwood mitre joints such as beech, oak, walnut etc.
- Bonding of soft wood furniture and wood constructions such as pine, chestnut, birch etc.
- Bonding of MDF, formica, hardboard, chipboard, veneers.
- Bonding of plasterboard, polystyrene, cork, textiles and other covering materials on 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

- Application temperature: 18°C - 20°C
- 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

150 - 200 gr /m<sup>2</sup> depending on surface porosity and condition

### TECHNICAL CHARACTERISTICS

**Consistency:** Thick paste

**Colour:** White

**Base:** Polyvinyl acetate

**Dry film:** Transparent

**Odour:** Slight

**PH:** 4-6

**Water solubility:** Unlimited at 20°C

**Solids:** 50 ± 2% MVPF 01

**Specific gravity:** 1000 – 1100 kg/m<sup>3</sup> 25°C

**Viscosity:** 20000-30000 mpas 25°C BROOKFIELD

**Open time:** 10-20 minutes 18°C - 20°C

**Initial bonding:** 20 minutes 20°C

**Clamping time:**

Depends on surface, room temperature and humidity. We suggest indicatively 30 – 70 minutes at 20°C for one side application and wood humidity 10%. The joints obtained by using TEMPO EXPRESS 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 3-4 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: 5kg, 14kg, 32 kg

PACKAGING	CODE	BARCODE
Plastic bottle 750gr	01020	5204094010203
Plastic container 5Kg	01016	5204094010166
Plastic container 14Kg	01018	5204094010180
Plastic container 32kg	01017	5204094010173

## 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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