



# WOOD MAX EXPRESS POWER

EXTRA STRONG, FAST, WATERPROOF, GAP FILLING SMP WOOD CONSTRUCTION ADHESIVE



## PRODUCT DESCRIPTION

Extremely strong, fast, waterproof, di-isocyanate free and filling wood construction adhesive based on SMP-Polymer.

## FIELD OF APPLICATION

For waterproof (D4) (surface) bonding of practically all types of wood as well as bonding practically all types of wood to many building materials, such as gypsum, (natural) stone, (cellular) concrete, metal, hard foam and various synthetics. Suitable for non-load bearing wooden structures using various wood joints such as mortise and tenon joints, dowels and springs. Suitable for interior and exterior applications, such as façade carpentry and sandwich panels. Very suitable for less-fitting joints (for example, unplanned wood). Ideal for both vertical and horizontal applications. 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.

Not suitable for PE (polyethylene), PP (polypropylene) and PTFE

## PROPERTIES

- Very fast (firm to touch in 30 minutes)
- Extremely high final bond strength (110 kg/cm<sup>2</sup>)
- Waterproof (D4)
- PU & Solvent free
- Very good filling capacity (up to 4 mm)
- Can be scraped immediately
- Permanently flexible
- Paintable
- All-weather resistant
- UV resistant
- Thixotropic

- Good standing power; does not drip
- Innovative formula: patent pending

## CERTIFICATES & STANDARDS

| Standards    |  |
|--------------|--|
| EN 204<br>D4 | EN 204: Classification of thermoplastic wood adhesives for non-structural applications: D4 |

## PREPARATION

**Working Conditions:** The ambient temperature, the adhesive and the materials to be bonded should not be less than +5°C. Wood humidity must preferably be between 10% and 18% (max. 25%).

**Surface Requirements:** Surfaces must be clean, dust- and grease-free.

**Preliminary Surface Treatment:** Degrease oily types of wood. Roughen non-porous materials.

**Tools:** Fine-toothed glue spreader (1 mm), brush, roller.

## APPLICATION

**Coverage:** With spot bonding: 5-8 m<sup>2</sup>/kg.

### Directions for use:

Apply the adhesive evenly directly from tube on both sides (for the best result). Where needed spread further with glue spreader, brush or roller. Ensure adequate layer thickness. Assemble joint within 5 minutes and fixate for at least 30 min. No pressing. If clamped, use a limited pressure to avoid too much adhesive to be pushed out of the bond.

**Stains/residue:** Remove wet adhesive residue immediately. Dry adhesive residue can only be removed mechanically.

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:                  | SMP Polymer  |
| Chemicals resistance:           | Good   |
| Colour:                         | Beige (mixture)  |
| Cure rate:                      | 1 mm/24h   |
| Density approx.:                | 1,33 g/cm <sup>3</sup>   |
| Elasticity:                     | Nil  |
| Filling capacity:               | Very good  |
| Final bond strength:            | 1.100 N/cm <sup>2</sup>  |
| Final bond strength after:      | 8 hours. This might vary, based on circumstances, like materials, temperature and humidity.    |
| Hardness (Shore A):             | 95   |
| Initial Bonding after:          | 30 minutes. This might vary, based on circumstances, like materials, temperature and humidity. |
| Initial bond strength:          | 100 N/cm <sup>2</sup>  |
| Minimum temperature resistance: | -40 °C   |
| Maximum temperature resistance: | 120 °C   |
| Moisture resistance:            | Very good  |
| Paintability:                   | Very good  |
| Shrinkage approx.:              | 0 %  |
| Skinover time:                  | 5 minutes  |
| Solid matter approx.:           | 100 %  |
| UV resistance:                  | Good   |
| Viscosity:                      | Thixotropic  |
| Water resistance:               | Very good  |
| Wood glue classification:       | D4   |

## STORAGE CONDITIONS

Minimum 18 months after production

Limited shelf life after opening.

Store in properly sealed packaging in a dry place at between +5°C and +25°C.

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