



# LEGNOPOL 2000

HYPOALLERGENIC, VOC AND AMINE FREE BICOMPONENT POLYURETHANE ADHESIVE

FOR PROFESSIONAL USE ONLY

CERTIFICATION:



**DESCRIPTION AND USAGE:**

EN 14293 compliant hypoallergenic bicomponent polyurethane adhesive with superior trowel ridge retention, excellent fill capacity and flexibility, for adhering wooden floorings to any type and format of absorbent and non-absorbent cement substrates, anhydrite screeds, wooden boards and cast asphalt, and onto existing floors in marble slabs and tiles, stone tiles, ceramic, metal panels etc. LEGNOPOL 2000 is also compliant with the LEED regulation (Leadership in Energy and Environmental Design), EQ c4.1 and SCAQMD rule 1168 (2005), permitting its usage in green building applications. LEGNOPOL 2000 is a low VOC content product classified as EC1 R PLUS by the German certification organisation GEV.

**PRODUCT CHARACTERISTICS:**

Appearance:	Component A: dense paste; Component B: moderately dense liquid
Colour:	Component A: light or dark; Component B: brown
Chemical base:	polyurethane resin
Catalyst ratio:	8.75:1.25
Specific density of mixture:	1.55 g/cm <sup>3</sup>
<b>Solid residue of mixture:</b>	<b>approx. 100 %</b>
Viscosity of mixture:	300.000-350.000 mPa.s (spindle 7, RPM 2)
<b>Pot life:</b>	<b>approx. 50 min</b>
Dilution:	not recommended, if necessary may be diluted with no more than 2%
DILUENTE CH 400 R thinner	
Application:	with LECHNER No. 2 or 6 notched trowel, depending on size of wood floor elements and flatness of substrate.
<b>Yield:</b>	<b>1000-1,300 g/m<sup>2</sup></b>
<b>Tensile adhesion (wood on concrete):</b>	<b>&gt; 3 N/mm<sup>2</sup> (failure of concrete)</b>
Application temperature:	from +10°C to +30°C
Working time:	approx. 50 min
<b>Ready for foot traffic:</b>	<b>approx. 12 hours</b>
Definitive curing time:	approx. 24-48 hours
Cleaning tools:	with SOLVENTE CH 500 thinner while product is still fresh
Storage temperature:	from +10°C to +25°C
Storage shelf life:	12 months in original, unopened containers
<b>Usage:</b>	<b>indoor</b>
Suitable for wheelchairs:	YES
Suitable for heated underfloors:	YES
Safety instructions:	See safety data sheet
Packaging:	Component A 8.75 Kg tub; Component B 1.25 Kg bottle inside larger tub.

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**INSTRUCTIONS FOR USE:** The substrate must be consolidated, in good condition, clean, matured, permanently dry and free of release products such as oils and waxes, excess dust release etc. Maximum permissible humidity content:

- 2% for cement substrates or 1.8% with underfloor heating.

- Plaster or anhydrite screed substrates 0.5%, or 0.3% with underfloor heating.

Check that there are no signs of rising damp. Surfaces with excessive dust release and insufficiently consolidated surfaces must be treated with a suitable polyurethane primer product (PRIMER PU, PRIMER PU ANTIDUST, PRIMER PU, PRIMER PU 300 or PRIMER PU 150 SPEED) or with EPOPRIMER. On smooth stone surfaces and non-absorbent surfaces such as ceramic, the surface must be prepared beforehand with our PROMOX adhesion promoter, waiting for the product to dry completely before applying the adhesive. Important: Adding PROMOX or alcohol to the adhesive will irrevocably compromise the ability of the product to cure correctly. Substrates with an insufficiently flat or inclined application surface must be levelled with at least a 3 mm thick layer of cement based levelling compound such as FIBRODUR or LEVELFAST, or with a synthetic levelling compound obtained by mixing sand with a polyurethane PRIMER product or EPOPRIMER. Substrates still with excessive residual moisture when the floor is to be laid must be prepared with a suitable waterproofing treatment applied using PRIMER PU, PRIMER PU 300, PRIMER PU 150 SPEED, EPOPRIMER or TRIX, in relation to the absorbance of the surface, and then sanded and levelled. Anhydrite screeds must always be pre-treated with products from the polyurethane primer range (PRIMER PU ANTIDUST, PRIMER PU, PRIMER PU 300 or PRIMER PU 150 SPEED), or with EPOPRIMER. DRY heated underfloors may be given a consolidating, dustproofing treatment using a polyurethane primer (PRIMER PU ANTIDUST, PRIMER PU, PRIMER PU 300 or PRIMER PU 150 SPEED) or EPOPRIMER, following the specific instructions for primer product used. Mix the two components carefully together in the correct catalyst ratio (8.75:1.25) using a mechanical stirrer to obtain a paste of uniform colour and consistency. **To accelerate curing times and shorten the time before the floor is usable, a bottle of FASTER may be added to the 10 Kg adhesive mixture.** Adding the entire contents of the 100 ml bottle of FASTER reduces the pot life of the mixed product to approximately 25 minutes in normal ambient conditions, reducing the definitive curing time to under 48 hours. Smaller or larger quantities of FASTER may of course be added to attain the desired pot life (contact our technical support service if necessary for advice). **Legnopol 2000, may be diluted with up to 2% DILUENTE CH 400 R thinner to retard curing times and extend the pot life of the product.** This will extend the workability time of the adhesive by approximately 30 minutes, without altering the mechanical performance of the product once definitively cured. Ensure that the moisture content of the parquet flooring is between 7% and 11%. Apply the adhesive to the substrate with a suitably sized notched trowel, working the adhesive adequately to pick up and incorporate any residual surface dust. Lay out the wooden blocks without placing them in contact with the perimeter walls, to allow the wood to settle naturally during subsequent acclimatisation, and pressing the blocks into place to ensure correct contact between the blocks themselves and the substrate before the adhesive hardens and forms a film, reducing its adhesive properties. We do not recommend applying adhesive to the sides of the parquet blocks.

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**OTHER INFORMATION:** The application and curing times indicated in the product characteristics are for an ambient temperature of +20 °C and a relative air humidity of 50%. Allow the product to acclimatise to ambient temperature before use. Moisture-sensitive surfaces, such as substrates in anhydrite screed, must be suitably prepared and primed before application following the instructions of the manufacturer. Before grinding, sanding and subsequently finishing the wood flooring, wait for the parquet to stabilise.

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**INSTRUCTIONS FOR SAFETY AND DISPOSAL:** Read the relative product safety data sheet before use. Preferably ventilate the area during usage. Protect the hands with gloves and observe applicable safety regulations. Do not dispose of residual product on soil, in surface water or in drains. When disposing of the product and other waste produced during usage, comply with the terms of Italian Law Decree 152/2006 and subsequent modifications (Unified Environmental Law). For more information, contact our technical support service. The contents of this sheet replace and supersede the contents of the previous edition.

NOTE: The information given herein is based on our extensive theoretical and practical knowledge. However, as it is impossible to go into exhaustive detail, the contents of this sheet are not binding in nature. Please contact our technical service in case of any doubt.