

# Lechner

SOLUTIONS FOR PROFESSIONAL CONSTRUCTION



## SCOPE

-  RESILIENT LINE
-  WOOD LINE
-  MARINE LINE
-  ARTIFICIAL GRASS LINE
-  EQUIPMENT AND ACCESSORIES LINE

# LEGNOPOL 2000

TWO-COMPONENT HYPOALLERGENIC POLYURETHANE ADHESIVE FOR PARQUET

## DESCRIPTION AND USES

PRODUCT FOR PROFESSIONAL USE ONLY

Two-component hypoallergenic polyurethane adhesive, ISO 17178:2013 compliant; characterized by good seal grip, good filling capacity and flexibility. LEGNOPOL 2000 is suitable for bonding wooden floors of any type and size on absorbent and non-absorbent substrates made of cement, anhydrite, wood panels, mastic asphalt and on existing marble, terrazzo, Palladian, ceramic, metal sheet floors etc. LEGNOPOL 2000 is a very low VOC product and is classified EC1Plus by the German certification body GEV. LEGNOPOL 2000 helps to meet the EQ Credit: Low Emission Materials for LEED (Leadership in Energy and Environmental Design).

## PRODUCT FEATURES



**Application**  
Lechner no. 6 notched trowel



**Suitable for indoor use**



**Suitable for heating substrates**



**Pot life**  
50 minutes



**Walkability time**  
12 hours  
**Final setting time**  
24-48 hours



**Storage**  
12 months in the original sealed packaging



**Chemical base**  
Polyurethane resin



**Catalysis ratio**  
8.75:1.25(A:B)



**Dilution**  
Not necessary, possibly with Diluente CH 400R



**Use**  
1000-1300 g/m<sup>2</sup>



**Operating temperature**  
+10 - +30°C



**Cleaning**  
Tools with Solvent CH 500/Residue with Cleancoll or Eco Cleancoll (while the product is wet)

## CERTIFICATIONS



**Very low VOC content product with safety indications for the applicator, certified by the German body GEV**



**Product with very low VOC content (French regulation no. 2011-321 of 23.03.2011)**

## DIRECTIONS FOR USE

The substrate must be flat, sound, compact, clean, cured, uniformly dry and free from release substances such as oils, waxes, excess dust, etc. If there are cracks and fissures, repair them with SIGEPOX. Maximum permissible moisture content measured with a carbide hygrometer:

- Cementitious substrates max 2%; with underfloor heating 1.7%
- Gypsum or anhydrite substrates max 0.5%; with underfloor heating 0.2%.

Check that there is no rising damp, always place an insulating barrier between the ground and the load-bearing screed. In the case of dusty, excessively absorbent or insufficiently solid cementitious screeds, intervention using suitable primers such as: PU series, EPOPRIMER, PRIMER SIL, PRIMER AC PLUS is necessary. On stone and non-absorbent surfaces such as ceramics, treating the surface with hot water and soda before rinsing thoroughly is necessary. Applying PROMOX to the clean, dry surface to improve adhesion is advised. Gypsum or anhydrite substrates must be sanded, freed of dust and primed according to the manufacturer's instructions. Substrates that have an insufficiently flat or raised laying surface may be leveled with cement-based leveling agents such as FIBRODUR or LEVELFAST (minimum thickness 3mm). Non-heated substrates possessing an excessive degree of humidity (max 5%) must be waterproofed with the appropriate primers such as: PU, EPOPRIMER, or TRIX series according to the absorbency of the surface. Heated substrates may only be consolidated but not waterproofed (if necessary, contact the Technical Office). Carefully mix the two components in their correct mixing ratio (8.75 : 1.25) with a mechanical stirrer, until a paste of homogeneous appearance and color is obtained. To speed up the flooring setting and laying times, the product FASTER may be added to the 10 kg adhesive mixture. If the entire 100ml bottle of FASTER is used, the pot life of the product falls to approx. 25 min in standard environmental conditions, with a subsequent final setting time of less than 48 hours. Of course, quantities lower or higher than 100 ml of FASTER made be used to reduce the pot life to the desired extent (for any clarifications please contact our technical offices). To delay the setting and pot life times of Legnopol 2000, dilution with a maximum of 2% of DILUENTE CH 400 R is acceptable. As such, the workability time of the adhesive may be extended by about 30 minutes, guaranteeing the same mechanical performance after final hardening. Check that parquet moisture is between 7 and 11%. Apply the adhesive to the substrate with a suitably-sized notched trowel, working it in order to incorporate any residual surface dust. Lay the wooden components -

taking care not to place them against the perimeter walls to encourage their natural dimensional variation in the subsequent acclimation phase - by pressing them in order to ensure their contact with the substrate before the glue hardens and creates a "skin", which would compromise their adhesive properties. Avoiding gluing boards along their sides is advised.

## ADDITIONAL INFORMATION

The application and gluing times indicated refer to an ambient temperature of +20°C and a relative humidity of 50%.

Acclimate the product at usage temperature. Ensure in advance that the screed is completely dry throughout and check that the rooms have windows. Before proceeding with the planing, sanding and subsequent finishing of the wooden floor, waiting for the parquet to stabilize is necessary.

## INSTRUCTIONS

**SAFETY AND DISPOSAL:** Before using product, consult the relevant safety data sheet. While using the product, the use of gloves is recommended. Ventilate the room during and after use. Comply with the safety regulations in force. Do not dispose of any surplus into soil, water courses or sewage systems. For disposal of the product, as well as any other resultant waste, please strictly comply with the provisions of Legislative Decree 152/2006 and subsequent amendments (Consolidated Environmental Law). For further information, please contact our Technical Assistance Office. The content of this current sheet supplements and replaces the previous, nullifying it.

**DISCLAIMER:** The data provided in this technical data sheet reflect our best theoretical and practical knowledge. Since, however, it is not possible for us to enter into every detail, this information should not be considered as binding. In case of doubt, contact our technical offices.