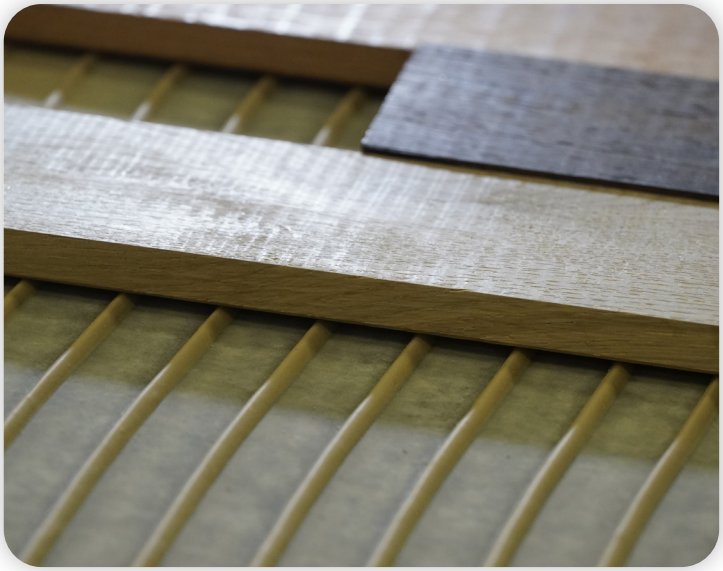
Lechner

SOLUTIONS FOR PROFESSIONAL CONSTRUCTION



FIELDS OF APPLICATION

- RESILIENT LINE
- WOOD LINE (X)
- MARINE LINE
- ARTIFICIAL GRASS LINE
- EQUIPMENT AND ACCESSORIES LINE

SIPOL FREE

TWO-COMPONENT ADHESIVE FOR PARQUET, SOLVENT-FREE AND VERY LOW VOC

DESCRIPTION AND USES

PRODUCT FOR PROFESSIONAL USE ONLY

Two-component epoxy-polyurethane adhesive compliant with ISO 17178: 2013, free from water and solvents, suitable for gluing wooden floors of any kind and size on absorbent and non-absorbent substrates made of cement, anhydrite, wood panels, mastic asphalt and on existing marble, terrazzo, Palladian, ceramic and metal sheet floors. SIPOL FREE is a very low VOC content product and is certified EC1 Plus by the German Association for the Control of Emissions in Products for Flooring Installation, Adhesives and Building Materials (GEV). SIPOL FREE helps to meet the EQ Credit: Low Emission Materials for LEED (Leadership in Energy and Environmental Design).

PRODUCT FEATURES

Application
Lechner no. 2- 6 notched trowel

Suitable for indoor use

Suitable for heating substrates

Pot life
90-120 minutes

Dry-to-walk-on time
12 hours
Final setting time
48-72 hours

Storage
12 months in the original sealed packaging

Chemical base
Epoxy-polyurethane resin

Catalysis ratio
9:1(A:B)

Dilution
Not necessary, possibly with PROMOX

Use
1,000-1,500 g/m^2

Operating temperature
+10 - +30°C

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

CERTIFICATIONS

Low-VOC product certified by the German GEV

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

GBC Italy Member

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 moisture, 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 (9:1) with a mechanical stirrer, until a paste of homogeneous appearance and color is obtained. 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. Do not walk on the parquet surface until the adhesive begins to set (approx. 12 hours).

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. Gloves are recommended during use. Ventilate the room during and after use. Comply with the safety regulations in force. Do not dispose of any residue in the ground, waterways or drains. 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 version, rendering it null and void.

WARNINGS: 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.

Lechner S.p.A. • 15061 Arquata Scrivia (AL) Italy • p. +390143636103 • f. +390143636405 • info@lechnerspa.it