



# Legnocol EP (A+B)

**TECHNICAL BI-COMPONENT POLYURETHANE ADHESIVE, COMPLETELY ODOURLESS, GUARANTEED FOR GLUING WOOD FLOORS OF ANY KIND ON POROUS AND NON-POROUS SUBSTRATES SUCH AS CERAMIC TILES, MARBLE, METAL SHEETS. PARTICULARLY SUITABLE ON SCREEDS MADE WITH NEOCEM LINE.**



**TECHNICAL DATA SHEET - REV. 01/2024**

## DESCRIPTION

LEGNOCOL EP is a polyurethane bi-component adhesive that does not contain water, is free from solvents and substances that are dangerous for health and the environment, with excellent resistance to ageing and weather conditions. Mixing the two components together produces a thixotropic, easily trowel-workable mix with excellent adhesion characteristics to different types of building materials. Curing takes place within approximately 24 hours by chemical reaction without shrinkage. Once hardened, LEGNOCOL EP is highly elastic, moisture and heat resistant.

## FIELDS OF APPLICATION

LEGNOCOL EP is used for indoor and outdoor gluing of wooden floors of any type (planks, strips, etc.), rubber flooring, PVC, carpeting, some types of artificial turf, fibre cement panels on metal substrates, melamine slabs on extruded or other non-absorbent substrates. Particularly suitable for gluing wooden floors onto porous and non-porous substrates such as cement screeds, concrete, ceramic floors, marble floors, metal sheets, etc. LEGNOCOL EP contains no water and therefore does not cause any deformation of the wood, allowing planks and boards of any type and size to be laid. When laying rubber, PVC floors or others of similar materials, it is recommended to always check the strength of the LEGNOCOL EP bond with a preventive test, since there are certain types of materials on the market subjected to chemical treatments that would make bonding difficult.

LEGNOCOL EP is also suitable for laying on screeds with underfloor heating due to its high elasticity.

## SUBSTRATE PREPARATION

The substrates must be sufficiently dry and seasoned, mechanically resistant, flat, solid, compact, free of crumbling or inconsistent parts, without any dust and greasy substances, oil, paint, wax and any material that could compromise perfect product adhesion.

Particularly uneven or porous substrates can be levelled or smoothed with ULTRALIVEL 1-10 mm ultra-fast-setting and drying super-fluidised mineral self-levelling smoothing compound or AUTOLIVELLANTE L 10 normal-setting super-fluidised mineral self-levelling compound.

Non-porous materials, such as ceramic or marble, must be well degreased with lye and washed with suitable detergents.

Before laying, it is always necessary to check that the residual moisture of the substrate is within the norm and that the wood moisture is in balance with the ambient humidity.

## APPLICATION

To prepare the mixture, pour 9 kg of LEGNOCOL EP "component A" in a clean container together with 1 kg LEGNOCOL EP "component B" and mix with an electric whisk mixer at low speed, to avoid excessive incorporation of air. Mix until

a smooth, lump-free mixture is obtained. The setting time, adjustment time and pot life of the product can be largely affected by temperature variations.

Spread the adhesive on the substrate, covering small areas at a time with a notched trowel, avoiding the formation of a surface film. The wooden planks must be laid properly immediately after the adhesive has been applied, beating them carefully so that they are wet over the entire surface. Do not lay parquet against walls or pillars, but provide perimeter joints of at least 1 cm. When bonding rubber or PVC flooring outdoors, it is advisable to run the adhesive between the joints of the flooring in order to seal them perfectly.

Curing takes place after 24-48 hours at temperatures of +23 °C. The subsequent sanding and finishing phase must take place after sufficient time has elapsed to ensure complete setting (3-4 days).

## YIELD

0,8 - 1,2 kg/m<sup>2</sup>.

## RECOMMENDATIONS

- ◆ Do not work at temperatures below +10 °C as this may considerably lengthen the setting time; do not work at temperatures above +35 °C as this may considerably shorten the working time. Always take the necessary precautions.
- ◆ Always check the strength of the LEGNOCOL EP bond on rubber and PVC floors or others of similar materials with a preventive test, since there are certain types of materials on the market subjected to chemical treatments that would make bonding difficult.
- ◆ All the equipment used to prepare and lay LEGNOCOL EP must be cleaned with alcohol or solvent before hardening.

## PACKAGING

LEGNOCOL EP is supplied in 10 kg units containing LEGNOCOL EP 'component A' in a 9 kg bucket and LEGNOCOL EP 'component B' in a 1 kg bottle. Store the product in a dry place and in its original packaging, well closed. In these conditions its stability is of at least 12 months.

## SAFETY INSTRUCTIONS

When handling, avoid contact with skin and eyes, and wear suitable protective clothing, as the product may cause irritation. Refer to the respective Safety Data Sheet for more information about how to use the product safely.

## SPECIFICATIONS

Gluing of wooden floors of any type on porous and non-porous substrates such as ceramic tiles, marble, metal sheets by means of a completely odourless two-component polyurethane technical adhesive, which does not contain water, free of solvents and substances hazardous to health and the environment, with excellent resistance to ageing and atmospheric conditions, such as **LEGNOCOL EP** by Colmef Srl.

## TECHNICAL DATA

Appearance:	thick paste
Colour:	beige
Viscosity component A during testing (mPa·s):	135000 +/- 5000
Viscosity component B during testing (sec.) [DIN 4]:	40 +/- 2
Mixing ratio	9:1
Pot life:	60 min. (depending on ambient temperature)
Drying:	24-48 h (walkable) 3-4 days before sanding
Application temperature:	> +10 °C

DATA DETECTION AT +23°C - 50% R.H. AND IN ABSENCE OF VENTILATION

The information in this bulletin is based on our best experience. We cannot be held liable for any product misuse. We therefore recommend anyone who intends to use this product to assess whether it is suitable for the intended application and to perform preliminary tests in any case. Always refer to the latest updated version of the technical data sheet available at [www.colmef.com](http://www.colmef.com).

**FOR MORE INFORMATION OR PARTICULAR USES, CONTACT THE COLMEF TECHNICAL SUPPORT DEPARTMENT.**

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