

LIGNUM AB

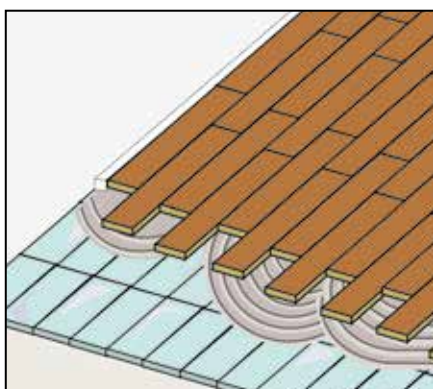
SOLVENT FREE TWO-COMPONENT EPOXY POLYURETHANE ADHESIVE,
HIGHLY ELASTIC FOR LAYING WOOD FLOORS OF ANY SIZE,
EVEN WHEN OVERLAYING ON ANY TYPE OF SURFACE



CHARACTERISTICS		ENVIRONMENTAL	METHOD OF USE		PRECAUTIONS
S SOLVENT BASED	AB TWO-COMPONENT		 MIX MECHANICALLY	 APPLY BY TOOTHED SPATULA	 STORAGE: KEEP AWAY FROM FROST

PROBLEM

BONDING LARGE STRIPS EVEN ON SPECIAL BASES



SOLUTION

Laying wood flooring always requires special care, particularly when laying wood strips or when overlapping.

LIGNUM AB is a two-component polyurethane adhesive available in light oak and dark walnut colour.

Its excellent workability means that it spreads quickly and ensures secure laying of wood floorings on any type of cementitious substrate or on non-absorbent existing floors.

The product's elasticity means it can be applied with the utmost flexibility even in the most difficult conditions.

APPLICATION FIELDS

LIGNUM AB can be used to bond any type of parquet flooring or wood strips and panels to any pre-existing cement substrate or flooring in ceramic, marble, wood, heated flooring, etc. **LIGNUM AB** can also be used to bond ceramic.

ADVANTAGES

- Secure bonding on any type of surface.
- The product contains no water and so prevents the wood from warping.
- Can be used to lay any type of wood flooring of any size and thickness.
- The high level of elasticity prevents cracking and creaking.

METHOD OF USE

• SUBSTRATE PREPARATION

The base must be compact and perfectly clean, free from dust, loose parts, wax or similar, and compliant with DIN 18356 standard.

Old floors must be thoroughly degreased with water and soda and then dried before application.

Before laying the flooring, the humidity of the ground underneath and the wood must always be checked using appropriate tools. The substrate should be measured at a depth of approx. 2-3 cm using a carbide phial hygrometer in order to exclude the possible presence of any strongly hygroscopic substances, which could exude the humidity they contain and consequently swell the flooring. The humidity must be <2% for traditional screeds, <0.5% for anhydrite screeds with radiant heating.

Do not lay over screeds that are not protected from possible rising humidity (in such cases lay a suitable waterproof membrane).



Crumbling or humid cement bases must be consolidated in advance and treated with a coat of **POLIDUR PRIMER (1)** (wait at least 8 hours before spreading the **LIGNUM AB** adhesive) in order to ensure the adhesive bonds correctly.

• MIX PREPARATION

Component **B** (1.0 kg: light oak or dark walnut stain) is poured into the bucket of component **A** (9.0 kg) and thoroughly mixed with a drill on low speed in order to obtain a viscous, uniformly coloured paste (**2**) (paste lasts 1-2 h).

• APPLICATION

Spread with a toothed spatula uniformly onto the application surface then apply the floor straight away ensuring good contact with the adhesive and exerting a suitable pressure on



the parquet to make the adhesive adhere well on the whole surface (**3**)

Tools and residues that have not set can be cleaned with a solvent, such as petrol.

• COVERAGE

Approx. 1-1.4 kg/m² using a spatula with 6mm teeth and according to the conditions of the substrate (porosity and planarity of the surface to be treated).

• PRECAUTIONS

- Take care of the cleaning and consolidation of the substrate to ensure a perfect laying of the flooring.
- Substrates that are not perfectly flat or are irregular can be corrected with the use of **PLANORAPID** self-levelling mortar.
- To obtain a quick drying screed that will allow wooden flooring to be laid quickly, use **DRYCEM** or **QUICKCEM** on disconnected substrate.
- Check the humidity of the substrate (2%) and the wood (9-11%) before laying.
- Component B is corrosive and should be used following the care instructions given on the label.

TECHNICAL CHARACTERISTICS

		LIGNUM AB	
	Standard	COMPONENT A	COMPONENT B
Appearance		Thick paste	Thick paste
Colour		-	Oak Dark walnut
Apparent density	EN 1015-6	NPD	NPD
Water ratio		9.0	1.0
Brookfield viscosity - at 20°C		70 000 ÷ 90 000	
Storage in original packaging in a dry place (keep away from frost)		12 months	
Mix characteristics and workability			
Density of mix		1.70 ± 0.05 kg/L	
Application temperature		+10°C ÷ +30°C	
Pot life (*)		90 ÷ 120 minutes	
Waiting time - before foot traffic use (*)		approx 12 ÷ 18 hours	
Waiting time - before grouting (*)		approx 48 ÷ 72 hours	
Performance characteristics		Product performance	
Adhesion Wood-Concrete		> 3.0 N/mm ²	
Adesione al taglio per trazione - after 28 days	DIN 281	5.9 N/mm ²	
Durezza Shore A		90	
Thermal resistance - Operating temperature		-30°C ÷ +90°C	

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s. **These data may change depending on specific site conditions: temperature, ventilation, moisture and substrate absorbency.**

(*) The times indicated will be longer or shorter as the temperature drops or rises.

the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

PACKAGING

LIGNUM AB	10.0 kg
- Component A: Pail	9.0 kg
- Component B: Can	1.0 kg

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

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