



# ASOWOOD EP 150

Solvent-free epoxy-polyurethane two-component adhesive for gluing wood floors of any type and shape on absorbent and non-absorbent substrates

- Solvent-free, eco-friendly
- Recommended for cementitious and anhydrite substrates that may also be heated
- Recommended for installation on non-absorbent pre-existing floors (ceramics, marble, wood)
- For traditional and prefinished parquet
- Compliant with standard ISO 17178: 2013



## TECHNICAL FEATURES:

Solvent-free two-component epoxy-polyurethane adhesive, specific for gluing indoor wood floors of any type on cementitious substrates or on non-absorbent pre-existing floors (marble, tiles, Palladiana flooring, wooden subfloors).

Installation on cement-based screeds with a residual moisture  $< 2\%$  ( $< 1.7\%$  in the case of heated screeds) and on anhydrite screeds with a residual moisture  $< 0.5\%$  ( $< 0.2\%$  in the case of heated screeds) can be performed directly while installation on screeds with a residual moisture greater than the stated values can be carried out after applying ASOWOOD PRIMER PU-100.

## AREAS OF APPLICATION:

Installation of wood floors of any type and shape on:

- Cementitious surfaces
- Preexisting non-absorbing floors such as marbles, tiles, Palladian stones, wooden supports.

## CONTRACT ITEM SPECIFICATIONS:

Wooden floors must be laid with an epoxy-polyurethane two-component adhesive, solvent-free, specific for the application of any type of wooden floors, such as ASOWOOD EP 150 by Benfer.



TECHNICAL ASSISTANCE



INSURANCE GUARANTEE



TECHNICAL MEETINGS



PROFESSIONAL USE

**SUITABLE SUBSTRATES:**

- Concrete
- Standard or heated cement-based screeds with a water system
- Standard or heated anhydrite-based fluid screed with a water system
- Wood panels
- Old floors of marble, chip tiles, Palladiana flooring, ceramic tiles, terracotta, stoneware
- Metal plates

**METHOD OF USE:****SUBSTRATES PREPARATION:**

The substrates must be fixed and non-deformable, capable of withstanding weight and must have completed their hydraulic shrinkage. Before installation it is necessary to check the residual moisture of the screed with a carbide hygrometer to make sure that it is <2% for cement-based screeds and <0.5% for anhydrite-based screeds. The screed must be clean, with no dust, grease, debris, paint, wax or any substance that could jeopardise adhesion.

Installation on screeds with a residual moisture greater than the stated values (anyway <5% for cement-based screeds and <1% for anhydrite-based screeds) is possible after applying ASOWOOD PRIMER PU-100 which should be used regardless to prevent rising damp from the substrate. It is anyway essential for there to be no chance of rising damp from the substrate.

The ambient temperature and the temperature of the substrate must be between +10°C and +30°C and it is preferable to let the product settle in before use.

Do not use in the presence of rising damp and in the absence of an insulating barrier between the ground and the laying screed.

In the case of dusty, excessively absorbent or insufficiently compact cement screeds, apply ASOWOOD PRIMER PU-100.

Gypsum or anhydrite substrates: sand, dust and prime according to supplier's instructions.

For direct application on wooden floors check the adhesion of the old parquet, sand and dust mechanically. DO NOT install parquet in the absence of windows or suitable window closing systems.

Check that the humidity of the parquet is between 7 and 11% unless otherwise specified by the parquet supplier.

The use of gloves is recommended during application.

Bring the product to the recommended temperature for application before use.

Before sanding and subsequent finishing of the wooden floor, it is necessary to wait for the parquet to stabilise.

Ventilate the room during and after use.

**PRODUCT PREPARATION:**

Carefully mix the two components in their proper catalysis ratio (9:1) with a mechanical stirrer to obtain a paste with a uniform colour and appearance.

**WOODEN FLOOR APPLICATION:**

Apply the adhesive on the substrate with a notched trowel of a suitable size, working it in order to incorporate any remaining surface powderiness.

Install wood items taking care not to lean them against the perimeter walls in order to facilitate their natural variation in size in the next phase of settlement, pressing them so as to ensure contact between them and the substrate before the glue sets and forms a "skin" thereby jeopardising its adhesive properties.

Avoid gluing the side of the boards.

Do not tread on the surface of the parquet until the adhesive has started setting (~ 12 hours).

**FULL SERVICE:**

At +23°C and 50% the pot life of ASOWOOD EP 150 is approximately 120 minutes and the floors can be walked on after approximately 12 hours and polished after approximately 42-72 hours.

In the case of adverse environmental conditions and in particular with ambient temperatures of approximately +10°C it is necessary to wait approximately 7 days.

**CLEANING:** Equipment and tools must be thoroughly cleaned after use.

**CONSUMPTION:** 1.0-1.5kg/m<sup>2</sup>.

**PACKAGING:** Comp. A: 9 kg bucket, Comp. B: 1 kg can. **A+B=10 kg**

**STORAGE:** In dry and cool place above +10°C in the original unopened packaging.

**SHELF LIFE:** 12 months.

**PRODUCT TECHNICAL DATA**

Chemical nature:	Reinforced epoxy-polyurethane resin
Colour:	Hazel brown
Application temperature:	From + 10°C to + 30°C
Open time:	120 minutes
Foot traffic after:	12 hours
Final setting after:	48-72 hours
Wood-Concrete adhesion:	> 3 N/mm <sup>2</sup>
Shore A hardness:	80
Storage and Shelf Life:	In a cool, dry place above 10°C in the closed original packaging for 12 months

PLEASE NOTE: The information given in this chart is based on our best experience and indicative only. It must in any event be verified by the end user, who assumes all liabilities deriving from utilization of the product.