



TWO-COMPONENT EPOXY-POLYURETHANE ADHESIVE FOR INSTALLING WOOD FLOORING



PRODUCT DESCRIPTION

DCI Parquet 100 2K is a two component Epoxy-Polyurethane base adhesive for wooden floor. The product is non-flammable, fast drying and solvent free adhesive used for interior installations wooden floors. The product is easy applicable and has good elasticity in order to resist to hygrometric movement of the wood and thermal expansion of substrate. Due to content of special additives the product is resistant to bacteria and mold.

FIELD OF APPLICATION

- For interior use
- For installation of wooden parquet
- For installation of industrial parquet
- For installation of wooden floorboards
- For installation of wooden parquet on heated floor

SUITABLE SUBSTRATES

- Concrete floor
- Cement screed
- Chipboard panels
- Wooden substrate
- Old tile

LIMITATIONS

- Not to be used at temperatures below 8°C.
- Not to be used for exterior application.
- Not to be used in areas subject to con-

stant water exposure, immersion, or hydrostatic pressure.

- Not to be used in commercial showers, steam rooms, fountains, or submerged applications.
- Not to be used on a metal substrate.
- Not to be used on anhydrite substrates.
- Protect from the frost.
- Not to be used on screed with high moisture content.

APPLICATION PROCEDURE

a) Preparation of the support

The substrates must be cured and sufficiently dry, mechanically strong, free from loose particles, grease, oils, paint, wax, etc. The cement substrates must not be subject to shrinkage after installing the wood. The moisture content of the screed must be lower than the maximum prescribed by the parquet manufacturer. It is necessary to check moisture content throughout the entire thickness of the substrate, using a carbide hygrometer. During spring and summer, renders must be cured for at least one week for every centimeter of thickness, and cement screeds must be cured for at least 28 days unless they have been made with DCI special binders for screeds such as Screed 80, Level S10, or with Level S30. In case of floating screeds over insulation or light weight layers and slabs on grade

must be provided with a vapour barrier to prevent rising damp.

Existing ceramic tile has to be thoroughly clean and degrease before proceeding to bond. Adhesion of the flooring may be improved by applying a layer of Primer EP-PU as adhesion promoter prior the installation.

In case of old wooden floors has to be make sure that the planks of the old floor are well-bonded to the substrate. Remove any varnish or wax from the surface of the floor with sandpaper down to a bare wood finish and remove all dust with a vacuum cleaner.

On anhydrite substrates the surface must be sanded and primed with Primer PU or Primer PU Fast.

b) Preparing the product

The two components of DCI Parquet 100 2K are supplied in separate pre-dosed buckets:

- component A: 9 parts by weight;
- component B: 1 part by weight.

Mix the two components with a mechanical mixer until a uniform coloured paste is formed. The setting time and workability time in the bucket are highly dependent on the environmental temperature.

c) Applying the product

Apply DCI Parquet 100 2K to the substrate using a notched trowel suitable to the format. The open time of the product is maximum 60 minutes under normal temperature and humidity conditions, which must be taken into consideration when spreading the adhesive. If a skin forms, the adhesive must be removed and replaced.

d) Installing the tiles

The parquet to be installed has to be stored in a dry area, on shelter and not to be subject to vapour condensation. The parquet must be insulated from the ground. Before installing, check that the moisture

level in the wood and the ambient humidity are as prescribed by the manufacturer. Press the wood parquet firmly into the wet DCI Parquet 100 2K to ensure good contact. When installing the parquet leave an expansion joint of approximately 1 cm around the perimetral, columns, and any elements crossing the floor. Do not bond edges of wood strips together.

COVERAGE / CONSUMPTION

Approximately 0.6-1 kg/m² according to the notched trowel

PACKAGING

DCI Parquet 100 2K is supplied in:

- 15 kg plastic bucket.
- 5 kg plastic bucket.

SHELF LIFE

Original sealed packaging of this product is guaranteed to be of first quality for 24 months if stored in a dry area. In places with high humidity, the shelf life of the bagged product will be reduced.

SAFETY INSTRUCTION

DCI Parquet 100 2K component A is irritant for the skin and the eyes. Both components A and B may cause sensitization in contact with the skin of predisposed subjects. DCI Parquet 100 2K component B is corrosive and may cause burns and damage to eyes. The product contains low molecular weight epoxy resins that may cause sensitization if cross-contamination occurs with other epoxy compounds. When applying the product, we recommend the use of protective gloves and goggles and to take the usual precautions for handling chemicals. If the product comes into contact with the eyes or skin, wash immediately with plenty of clean water and seek medical attention. Furthermore DCI Parquet 100 2K component A and B are dangerous for aquatic life, do not dispose of the product in the environment. For fur-

ther and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet. PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA

Product identity	Comp. A	Comp. B
Consistency:	pasty	liquid
Color:	Beige	beige
Bulk density (kg/m³):	1600	1300
Viscosity	10,000 mPas (Rpm 5, Spindle 7)	3,000 mPas (Rpm 5, Spindle 7)
Dry solids content (%):	100	100
Application data (at +23°C and 50% R.H.)		
Mix ratio:	9 part component A : 1 part component B	
Consistency of mix:	Viscous Liquid	
Viscosity of the mix:	8,000 mPas (Rpm 5, Spindle 7)	
Application temperature:	+8°C to +30°C	
Open time (according to EN 1346):	> 60 minutes	
Adjustability time:	approx. 120 minutes	
Polishing:	After 3 Days	
Final performances		
Tensile bond strength EN 14293 (N/mm²): – after 7 days a +23°C: – after 28 days a +23°C: – after hot cycle:	3.7 N/mm² 4.2 N/mm² 3.5 N/mm²	
Shear resistance EN 14293 (N/mm²): – after 7 days a +23°C: 4.5 N/mm² – after 28 days a +23°C: 5.1 N/mm² – after hot cycle: 3.9 N/mm²	4.5 N/mm² 5.1 N/mm² 3.9 N/mm²	
Temperature resistance after final cure:	from -30°C to +90°C	

WARNING

Danger. Contains Portland Cement: Chromium VI < 2 ppm within the validity period of the product. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. P261 Avoid breathing dust. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352 IF IN CONTACT WITH YOUR SKIN: Wash with plenty of water/... P305 + P351 + P338 IF IN CONTACT WITH YOUR EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor/...



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