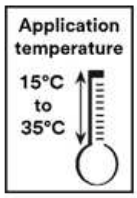
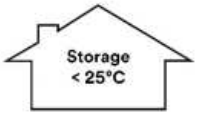
EMFIPARQUET PRO ECO

DESCRIPTION

EMFIMASTIC PRO ECO is a single component elastomeric adhesive based on silane terminated polymer which cures under the effect of atmospheric humidity or substrates humidity.
EMFIPARQUET PRO ECO is a flexible adhesive which meets the requirements of NF EN 14293 (DTU 51.2) standard and also an elastic adhesive which meets the requirements of ISO 17178 standard.
Its classifications EC1^{PLUS} according to EMICODE and A+ according to French decree n° 2011-321 guarantee a very low emission of VOC.
EMFIPARQUET PRO ECO obtained a proficiency testing performance report from FCBA (French Wood and Furniture Technical Centre) for the bonding of wooden parquet floors made according to standard NF B 54-008 and bonded according to standard NF P 63-202 (DTU 51.2): n° FCBA.IBC.342.371-ChD/SM-N°2013.492.1039-2 (massive oak up to 14 x 130 mm).





AREAS OF APPLICATIONS

EMFIPARQUET PRO ECO is a ready-to-use spreadable adhesive, specially adapted for full surface bonding of all types of massive parquets (up to 14 x 130 mm) or engineered parquets.
For large dimensions massive parquets, long, wide and thick floorboards, special care must be taken during the laying. For the durability of the floor, it will be necessary to ensure good contact between the adhesive and the parquet, and therefore to put a larger quantity of adhesive and to apply a load (about 30 kg every 4 m²) in the areas concerned to ensure perfect contact between parquet and support until the adhesive has completely cured (48 hours at 20°C).
EMFIPARQUET PRO ECO has an excellent adhesion without primer on most of the substrates commonly used in the building industry, like wood, water-repellent plywood, concrete or anhydrite screeds, adherent paints, ceramic tiles, clay.
It is easy to apply and not aggressive for varnishes.
EMFIPARQUET PRO ECO remains flexible after curing and thus improves the acoustic comfort of parquet floors.
Due to its excellent resistance to humidity and heat, this adhesive is perfectly adapted to bond parquet in harsh environments (heated floors, bathrooms, etc.)
For heated floors, full surface bonding is mandatory (DTU 51.2).
EMFIPARQUET PRO ECO is suitable for use with reversible air conditioning systems (heated and cooled floors) subject to the warranty of the parquet manufacturer.

3 rue Ettore Bugatti - 67500 Haguenau
Tél : 03 88 90 60 00 - Fax : 03 88 73 48 38
Internet : http://www.emfi.com - EMail : emfi@emfi.com
Writer : CD

TECHNICAL DATA

Appearance	Thixotropic paste
Color	Beige sun
Viscosity at 20°C	Brookfield RVT 7 / 50 rpm: approx. 50 000 mPa.s
Density at 20°C	1.73 ± 0.02
Application temperature	15 to 35°C
Skin formation time at 23°C and 50% RH	40 to 80 min *
Open time at 23°C and 50% RH	40 min *
Cure time at 23°C and 50% RH	> 2.5 mm after 24h
Shore A hardness (internal method IT-20 after ISO 868 - 3 seconds)	Approx. 38 after 14 days
Temperature resistance	-40 à +60°C (on cured adhesive)
Resistance to dilute acids and bases	Average
Resistance to water	Good

* this time depends on hygrometry and ambient temperature. In order to ensure a good adhesion, it is mandatory to do the bonding before the product has formed its skin.

INSTRUCTIONS FOR USE

For substrate preparation and application, refer to DTU 51.2 (standard NF P 63-202).

Substrate preparation:
The substrates must be clean, dry and free from grease, dust, cracks, debris or other contaminants.
A measurement of the cohesion of the concrete slab is recommended (DTU 51.2).
The paving or the floor should not be liable to expose the parquet to rising or infiltration of humidity in any form whatsoever.
The relative humidity of the support must be a maximum of 3% for a concrete screed and 0.5% for an anhydrite screed.
Do not work below 15°C or at relative humidity above 65%. If necessary, heat and ventilate the room.
The humidity of parquet floors should be between 7 and 11%.
The tolerated flatness defect is a maximum of 5 mm under the 2 m ruler.
On anhydrite screed, sanding is compulsory (ask the screed layer for validation of the process).
On heated floors, the heating should have operated 2 to 3 weeks and be stopped 48 hours before bonding. Then, it will be necessary to wait a minimum of 7 days before restarting it gradually.
On difficult substrates (contact us) apply the epoxy primer EMFIPRIM EPOXY with a roller before bonding the parquet or performing a P3 floor leveling.
The parquet must be, at the time of bonding, with a humidity level close to that which it will have later. It is best to store it 48 hours in the room before bonding begins.

Application:
Spread the glue using a notched spreader – type of spreader to be determined according to the dimensions of the parquet to be bonded (see consumption table below).
Lay the parquet on the wet adhesive bed, exert a sufficient pressing to ensure perfect contact.
Respect a 10 to 20 mm expansion gap all around the room.
Walking on the parquet is possible after 24 hours at 20°C (light traffic possible after 12 hours).
Wait at least 48 hours (for a 20 to 23°C temperature and a 50% humidity) before sanding the parquet.

Cork, fibered or agglomerated underlayers (EMFICOUSTIC, ref. I0152A):
The laying of an underlayer is done with EMFIPARQUET PRO ECO, using the B3 notched spreader.
To accelerate the polymerization of the adhesive, it is advisable to moisten the underlayer (mainly for cork or agglomerated underlayers such as EMFICOUSTIC) using a water sprayer (approx. 20 g / m²).

Wait for the adhesive to cure completely before laying the parquet as indicated above.

Cleaning:
Tools can be cleaned with EMFINET 683 or EMFICLEAN AL wipes before the adhesive has completely cured. After curing, abrasion is necessary.

CONSUMPTION

800 to 1500 g/m² depending on the type of notched spreader used and the dimensions of the parquet to bond, see table below:

Spreader reference	Bridge width (mm)	Notch width (mm)	Notch depth (mm)	Recommended use	Consumption (g/m²)
B3	3.4	3.6	3.2	- mosaic parquet - lam parquet - engineered parquet up to 10 mm thick - bonding of EMFICOUSTIC underlayer on concrete floor / anhydrite	800 - 900
B11	8	6	5	- massive parquet up to 130 mm wide - engineered parquet up to 15 mm thick	900 - 1200
TKB16	12	8	7.5	- massive parquet of large dimensions (>130 mm width) (1000 g/m² to ensure compliance with requirements of NF B 54-008 standard for parquet floors up to 14 mm thick and 130 mm wide).	1000 - 1500

For information purpose, dependent on the bonding conditions (surface's state, substrates, etc.)

STORAGE AND SHELF LIFE

12 months in closed original packaging stored at a temperature below 25°C.
In cold weather, store the packaging at about 20°C before use.
Not frost sensitive.

PACKAGING

Pails containing three 7 kg aluminium pockets.
Contact us for other packaging options.

SAFETY

Read material safety data sheet before use.

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