



Technical Data Sheet 2K Bond Contract
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2K Bond Contract

Two-component epoxy-polyurethane adhesive for wooden floors

DESCRIPTION

2K Bond Contract is a two-component epoxy-polyurethane adhesive for wooden floors. It is characterized by high strength and adhesion power that ensure a secure and durable bond. It does not contain water.

Conform to:

EN 14293 Adhesives for bonding parquet subfloor

AREAS OF APPLICATION

2K Bond Contract is suitable for bonding all wooden floors, pre-finished engineered or solid wood with or without tong-and-groove, as well as mosaic parquet to cementitious screeds, quick-setting screeds, anhydrite screeds or on wood, ceramic, tiles and pre-existing marble. The use of stable woods is preferable. It is also suitable in combination with underfloor heating systems. The adhesive is suitable for all species according to UNI EN 13556.

FEATURES

- Very easy to apply and to distribute with a spatula, leaving ridges of good consistency
- The high adhesion power keeps the slats in a stable position
- High surface wettability
- Suitable for underfloor heating



TECHNICAL DATA

Appearance	Thixotropic paste
Color	Oak
Chemical nature	Epoxy polyurethane
Curing Mechanism	Reactive mixture
Open time – pot life [min] (NPT Method 17) (23°C and 50% RH)	ca. 70
Shear strength [N/mm ²] (wood-wood; DIN 14293)	ca. 3
Application temperature [°C]	From +10 to +35
Trafficability [h]	ca. 12
Sandpapering [days]	ca. 4
Consumption [kg/m ²]	Between 1 and 1.6
Operative temperature [°C]	From -10 to +60
Temperature Resistance [°C]	From -40 to +90



APPLICATION

As provided by sector regulations, the parquet must be installed on a clean, firm, solid, compact floor. The surfaces to be treated must be perfectly clean, dry and free of dust and grease.

In cement screeds, the screed must be properly treated and separated from the rest of the floor base with a suitable vapor barrier with a high edge on the surrounding walls. If necessary, sand the screed and remove the dust with a vacuum cleaner. On anhydrite screeds, after sweeping, remove dust with a vacuum cleaner.

If you must use U-Primer 150 to consolidate cement screeds with low compaction, avoid leaving a surface film of primer. If necessary, dilute with up to 30% solvent to improve penetration into the support. In the case of anhydrite screeds, the use of a coarse sandpaper is recommended to open the pore, vacuuming the dust and subsequently apply the primer coat thinned with solvent, avoiding a superficial film. Proceed with gluing after ensuring that the solvent present in the primer has evaporated. Do not glue if more than 24 hours have elapsed since the application of the primer.

In pre-existing ceramic and marble floors, make sure that the surface is free of oily substances, greases or acid or basic residues and cleaning detergents. If these characteristics are lacking, then carefully clean and dry the surface prior to installation of the parquet flooring; adhesion testing is recommended prior to application. On pre-existing wooden floors, once the adhesion of the new parquet to the previous one has been verified, proceed to sand the surface of the wood to remove the varnished layer and carefully remove the dust with a vacuum cleaner.

Apply at a temperature between 5°C and 40°C and humidity between 40% and 80%. The optimum temperature is between 15°C and 25°C. Apply with a humidity of the cement screed at a maximum of 2% (1.7% for floors with radiant heating), measured by a carbide hygrometer. In the case of anhydrite screed, the maximum allowed is 0.5%.

Pour the catalyst (Part B) into the resin (Part A) and mix the two parts with a mechanical mixer at low revolutions per minute (250-500 RPM) to avoid overheating, making sure to obtain homogeneity of the final compound. Always respect the mixing ratio between Part A (9) and Part B (1). Apply the mixed adhesive with a dented spatula, distributing it evenly to obtain a good "wetting" of the surface. Proceed with laying the wood within 70 minutes after mixing the components. In the case of partial use of unmixed products, close the buckets with their lids. Unused, mixed product should be thrown away. The product must not be diluted in any way.

Parquet flooring must be treated according to industry regulations. Place the wooden planks in position with the necessary pressure to ensure good contact between the wood and the adhesive. Leave a border of approximately 1 cm between the parquet and the wall.



CLEANING OF EQUIPMENT AND PERSONAL PROTECTIVE MEASURES

Clean the tools used with acetone or solvent. When the adhesive has not yet hardened, it can be removed using paper or a cloth. Once hardened, the product can only be removed mechanically. Avoid skin contact by using latex, rubber or polyethylene gloves. If it comes in contact with the skin, remove immediately and wash with soap and water.

PACKAGING

PE pail Part A 9 kg - Part B 1 kg

STORAGE AND SHELF LIFE

2K Bond Contract can be stored for 12 months in its original packaging (unopened container) between 10°C and 25°C in a cool, dry place. The storage temperature should not exceed 25°C for extended periods of time. Keep away from wet areas, direct sunlight and heat sources.

GENERAL INFORMATION

The information contained in this technical data sheet is to the best of our knowledge correct, being based on our knowledge and experience to date and cannot be used as a guarantee, due to the various different materials present on the market and the fact that the application conditions are not under our direct control and supervision. NPT srl, however, guarantees constant product quality. NPT srl, has the right to modify or up-date this technical data sheet according to requirements. Customers are kindly requested to verify that they are in possession of the latest version.

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