

TECHNICAL FILE

NAVYCOL PS

DESCRIPTION

NAVYCOL PS is a single component elastomeric adhesive, containing neither isocyanates nor silicones and curing under the effect of atmospheric or substrate moisture. NAVYCOL PS is a flexible adhesive which meets requirements of NF EN 14293 standard.

Its classification EMICODE EC 1PLUS-R according to EMICODE and A+ according to French decree n° 2011-321 guarantees a very low emission of VOC.

NAVYCOL PS 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°2012.099.356 (massive oak up to 20 x 200 mm)



AREAS OF APPLICATION

NAVYCOL PS is designed for bonding in full surface of all types of massive parquet floors even of large dimensions (up to 20 x 200 mm), or for engineered parquet. For massive parquets of large dimensions, long, wide and thick floorboards, a special attention must be paid during the laying. For the durability of the floor, a good contact between the glue and the parquet must be assured, therefore a higher quantity of adhesive and a load on concerned areas must be applied up to full polymerization of the adhesive. Adhesion of NAVYCOL PS is excellent without primer to most substrates such as wood, water-repellent chipboard, concrete or anhydrite screeds, adhering paints, paving, stone.

The application is easy and is not aggressive to varnish.

NAVYCOL PS remains soft after polymerisation, improving the acoustic comfort of parquets.

Thanks to its excellent moisture and heat resistance, this adhesive is convenient for the laying of parquet in difficult environments (heating floors, bathrooms, etc.)

For heating floors, it must be applied in full surface. In this case, NAVYCOL PS is convenient for massive parquets up to 20 mm thickness and 200 mm width (with a 0.24 mm maximum warping) and for engineered parquets.

For very wide ROUGH massive parquets (> 140 mm), it is necessary to put weights (approx. 30 kg every other 4 m²) to assure a perfect contact between the parquet and the substrate up to the final setting of the glue (48 h at 20 °C).

NAVYCOL PS is suited for use with reversible air conditioning systems (heating and cooling floors) under the reserve of guarantee of the manufacturer of parquet.

TECHNICAL DATA

Appearance	Thixotropic paste
Color	Beige sun
Density at 20°C	1,71 ± 0,05
Application temperature	15 à 35 °C
Skin formation time at 23 °C and 50 % HR	50 à 80 min*
Cure time at 23 °C and 50 % HR	> 2,5 mm/24 h
Shore A hardness	Approx. 55
Temperature resistance	-40 °C à +60 °C
Resistance to dilute acids and bases	Average
Specific data	Open time at 23 °C et 50 % RH : 40 min* Water resistance: excellent

* this time is shorter at higher temperature and humidity.

So it is necessary to be sure that open time is not excessive. Otherwise, defective bonding could happen.

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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, free of dust and grease.

Paving or flooring should not in any way be likely to expose parquet to rising or seepage of moisture.

Do not work at temperatures below 15 °C or when the relative humidity exceeds 65 %.

If necessary, heat and ventilate the room.

The surface should be even (maximum tolerance : 5 mm under a 2 m ruler).

The humidity of the parquet flooring should be between 7 and 11 %.

Substrate humidity level : < 3 % (< 0.5 % for anhydrite screeds).

On anhydrite screeds, mechanized rubbing down is necessary beforehand.

On heating floors, after 2 to 3 weeks of functioning, heating has to be stopped 48 h before working. Wait minimum 7 days before turning on heating gradually.

On difficult substrates (contact us) apply epoxy primer EMFIPRIM EPOXY with a roller before laying parquet or before levelling with self-levelling P3 compound.

At the moment of laying, the humidity level of the parquet should be nearly the same as subsequently.

The parquet should be stocked during 48 hours in the room before beginning bonding.

Application :

Uniformly spread onto the subfloor with an appropriate spatula. Lay the wood lathes into the wet adhesive film. Check the proper transfer on the lath back side. If necessary, weight down the edges with sandbags until initial setting (4 to 6 hours). Respect a gap of 10 to 20 mm all along the walls. Do not walk on the parquet floor for 12 hours after bonding (at 20 °C). However it is possible to walk lightly after 12 hours. Allow to dry for at least 48 hours before sanding (for temperature between 20 and 23 °C and relative humidity of 50 %).

Cork or fibered underlayers :

Underlayers can be laid with NAVYCOL PS ECO.

In order to accelerate the adhesive curing, it is convenient to wet the back side of the underlayer with a water spray (approx. 20 g/m²). Wait until hardening before laying parquet as indicated above.

Cleaning :

Tools should be cleaned with appropriate solution before the adhesive has completely cured. After curing, mechanical cleaning is required.

CONSUMPTION

1.2Kg/m²

STORAGE AND SHELF LIFE

12 months in hermetically sealed original packaging stored between 5 and 25 °C

PACKAGING

Pails containing 3 x 6 kg aluminium pockets coated inside with polyethylene

SAFETY

Not classified as hazardous. Read the material safety data sheet.

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired.

Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions.

The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.

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