

TECHNICAL FILE

NAVYCOL PS ECO

DESCRIPTION

NAVYCOL PS ECO is a single component elastomeric sealant curing under the effect of atmospheric or substrate moisture and containing neither isocyanates nor silicones.

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

It is a soft adhesive complying with NF EN 14293 standard. NAVYCOL PS ECO obtained a fitness assessment 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 (solid oak up to 14x130 mm and 20x140mm, engineered parquet up to 190mm wide)



AREAS OF APPLICATION

NAVYCOL PS ECO is specially designed for all types of massive parquet floorings up to 130 mm width or for engineered parquet. Its adhesion is good 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 ECO remains soft after curing, improving acoustic comfort of parquets. Thanks to its good moisture and heat resistance, this adhesive is convenient for the laying of parquet in difficult environments such as heating floors. For heating floors, it must be applied in full surface. In this case, NAVYCOL PS ECO is convenient for massive parquets up to 130 mm width and 14 mm thickness (or 20x140mm) as well as engineered parquet up to 190mm), and for engineered parquets. NAVYCOL PS ECO 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, beige sun
Viscosity	Brookfield RVT / spindle 7 / 50rpm : approx 50 000mPa.s
Density at 20°C	1,71 ± 0,05
Application temperature	5 à 35 °C
Skin formation time at 23 °C and 50 % HR	40 à 80 min*
Cure time at 23 °C and 50 % HR	> 2,5 mm/24 h
Shore A hardness	Approx. 38
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* Shearing resistance (DIN 281) : approx. 10daN/cm ² Water resistance: good

* 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.

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.

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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 24 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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