

PLEX 1350

DESCRIPTION:

Plex 1350 is, urethane-modified, pre-reacted 100% solid membrane system based on acrylic monomers and used together with fleece. The cured product forms a pigmented, highly flexible, crack-bridging membrane that maintains its flexibility and performance even at temperatures as low as -20°C.

Thanks to its flexible properties, Plex 1350 is ideal for easy application as a highly elastomeric waterproofing and crack-bridging membrane for flooring systems.

APPLICATION:

Briefly mix the Plex 1350 before weighing. Add the recommended amount of catalyst and mix thoroughly.

Note: For partial use, weigh out the correct amounts. Refer to the table below.

Amount in kg	2% Catalyst	4% Catalyst	6% Catalyst
1 kg	20 g	40 g	60 g
5 kg	100 g	200 g	300 g
10 kg	200 g	400 g	600 g
20 kg	400 g	800 g	1200 g

Mix the Plex 1350 with the added catalyst for 1-2 minutes, preferably using a powerful mixer equipped with a Collomix WK 90 mixing paddle at a low speed, between 300 – 400 RPM.

Pour the mixed material in strips onto the substrate and spread it using a trowel or squeegee, ensuring that the minimum layer thickness of 1 mm is exceeded. A 1 mm thickness is required to achieve a continuous, uninterrupted resin layer, ensuring complete curing.

Ensure adequate ventilation during application of the membrane. In enclosed spaces, mechanical ventilation with at least 7 air changes per hour is mandatory.

CONSUMPTION:

Product	Consumption
Plex 1350	1-4 kg/m ²
Optional: Plex fleece (105 cm width 50 meters long)	0,11 kg/m ²

CATALYST QUANTITY:

Temp. [°C]	Catalyst [%]	Processing time [min]	Cure time [min]
0 – 10	6	11	30
10 – 20	4	8	30
20 – 30	2	8	30

PROPERTIES:

Excellent crack bridging characteristics

Highly flexible

Easy to apply

Excellent waterproofing properties

Fully cured one hour after application

Good chemical and abrasion resistance

Very high impact and puncture resistance

TECHNICAL PARAMETERS:

Viscosity¹ [mPa·s] 500-1000

Density² [g/cm³] 1,25 - 1,35

Shore Hardness³ > D50

Tensile strenght² [N/mm²] > 4

Elongation at break² [%] > 250

1) IKA lo-vi, SP-3, 30 RPM, 20°C

2) ISO 2811-1, + 23°C/50% R.H

3) DIN 53505, 14 days / +23°C / 50% R.H

4) ISO 527/+ 23 °C/50% R.H

PACKAGING:

Can packing: 20 kg

FORM:

Plex 1310: Liquid, brownish.

Plex 192 : Powder, white

SHELF LIFE:

Up to 12 months from the date of production in the original, tightly closed, unopened and undamaged packaging, stored in a dry place at a temperature from + 5°C to 25°C.

SUBSTRATE PREPARATION:

The substrate must be dry, clean, and free from lime and other contaminants that could reduce the adhesion strength of the applied coatings. Laitance and loose particles must be removed and the surface must be mechanically prepared, e.g., by blasting, grinding, or milling. All cracks and damages in the floor must be repaired before installation of the primer and membrane.

APPLICATION CONDITIONS:

Substrate temperature: Minimum 0°C, maximum +35 °C

Ambient temperature: Minimum 0°C, maximum +35 °C

Suitabel for use on moist substrates up to 5% residual moisture

To be tested by carbide measurement.

Relative air humidity: Maximum 95% R.H.

Dew point: Beware of condensation!

The material and substrate should be at least 3°C higher than the dew point.

REMARKS:

Wear appropriate personal protective equipment when applying the material.

Prior to use, Plex 1350 must be carefully stirred to achieve a uniform distribution of agents contained in the product.

Mixed materials should be processed immediately.

LEGAL NOTICE:

This information, and in particular the recommendations related to the application and end use of Eurostep products, is provided in good faith based on our current knowledge and experience of the products. It is valid for products that are correctly stored, treated and applied under normal conditions in accordance with Eurostep's recommendations.

In practice, differences in materials, substrates and actual on-site conditions are such that no warranty in respect of merchantability or of suitability for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered.

The user of the products must test the product's suitability for the intended application and purpose. Eurostep reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request.

HEALTH AND SAFETY:

For information and advice on the safe handling, storage and disposal of chemical products, the user should consult the most recent product safety data sheet consult, regarding the physical, ecological, toxicological and other safety-related data.

VALUE BASE:

All technical data stated in this technical data sheet is based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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