

PLEX 1350 THIX

DESCRIPTION:

Plex 1350 thix is, urethane-modified, pre-reacted 100% solid membrane system based on acrylic monomers and used together with fleece. The thixotropic character makes it a perfect product for vertical applications such as upstands. 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 thix is ideal for easy application as a highly elastomeric waterproofing and crack-bridging membrane for flooring systems.

APPLICATION:

Briefly mix the Plex 1350 thix 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 thix	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

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.

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:

Viscosity ¹ [mPa·s]	6000-8000
Density ² [g/cm ³]	1,25 - 1,35
Shore Hardness ³	> D50
Tensile strenght ⁴ [N/mm ²]	> 4
Elongation at break ⁴ [%]	> 250

1) IKA Io-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:

Tin buckets: 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.

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 thix must be carefully stirred to achieve a uniform distribution of agents contained in the product.
- Mixed materials should be processed immediately.

LEGAL NOTICE:

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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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