EUROSTEP
Posadzki i nawierzchnie syntetyczne

TECHNICAL DATA SHEET

Reference: TDSPLEX1310 Thix

Edition no.: 1.0

PLEX 1310 THIX

DESCRIPTION:

Plex 1310 Thix is a viscous, urethane-modified, pre-reacted 100% solid membrane system based on acrylic monomers. The cured product forms a tough but flexible crack-bridging membrane that maintains its flexibility and performance even at temperatures as low as -20°C.

Thanks to its flexible properties, Plex 1310 Thix is ideal for easy application as tough elastomeric waterproofing and crack-bridging membrane for floors, vertical and inclined surfaces. Ideal for crack repairs.

APPLICATION:

Briefly mix the Plex 1310 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 1310 Thix 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 1310 Thix	1-3 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

PROPORTIES:

- Excellent crack bridging characteristics
- Tough elastic and thixotropic
- 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]	4500-5500
Density[2] [g/cm^3]	1,25 - 1,35
Shore Hardness[3]	> D50
Tensile strenght[4] [N/mm^2]	> 8
Elongation at break[4] [%]	> 200
Flashpoint[5]	+ 11,5° C

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
5) ISO 1516

PACKAGING:

Can packing: 20 kg

FORM:

Plex 1310 Thix: Liquid, brownish.
Plex 192 : Powder, white

SHELF LIFE:

Up to 6 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 1310 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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