

PLEX 1310

DESCRIPTION:

Plex 1310 is a hand-applied, flexible waterproofing membrane based on polymethyl methacrylate. The material is self-leveling and applied by notched rubber squeegee.

Due to the flexible properties of this product, Plex 1310 is perfect as a crack bridging membrane for any flooring system outside as well as on roofs.

MIXING:

Mix the Plex 1310 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.

CONSUMPTION:

Product	Consumption
Plex 1310	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

APPLICATION CONDITIONS:

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

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

Suitable for use on moist substrates up to 6% residual moisture

Relative air humidity: Maximum 85% R.H.

Dew point: Beware of condensation!

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

REMARKS:

Check the kit to make sure you have the correct component.

Mixing is very important. The timing must be strictly observed, otherwise no chemical reaction will occur.

- Store in well-closed drums or buckets.
- Wear protective clothing and gloves when applying the material.
- All employees should be thoroughly trained in the handling of epoxy resins regarding the hazards involved.
- Allergy sufferers must not be allowed to work on resins.
- Wash your hands with water and mild cleaning agents after each contact of the resin with the skin.
- For hygiene reasons, you should not eat or drink in the workplace and do not smoke there.
- Avoid inhaling fumes from the reacting material, do not allow contact with the skin.

PROPERTIES:

Excellent adhesion to the substrate

Simple and quick application

Good chemical resistance

Good mechanical resistance

Crack bridging properties

TECHNICAL PARAMETERS:

Viscosity ¹ [mPa·s]	2500-3000
Tensile strength [N/mm ²]	> 8 (sample thickness 2 mm)
Elongation at break [%]	> 160 (sample thickness 2 mm)

1 IKA Rotavisc Io-vi, 30 RPM, 20°C

PACKAGING:

Metal buckets: 20 kg

FORM:

Liquid, brownish.

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.

The substrate as well as the adjacent surfaces must always be thoroughly prepared and cleaned before application. Mix material should be used on a regular basis, as the material becomes hard and unusable after the processing time has elapsed.

Incorrect crack assessment and treatment can lead to shortened service life and recurrent cracks. Underfloor heating or high ambient temperatures, combined with high point loads, can lead to imprints/marks on the resin under certain circumstances.

CLEANING/MAINTENANCE:

Floors should be cleaned frequently and regularly to prevent dirt from accumulating on the surface. Clean up all spilled debris as soon as possible. The use of suitable cleaning agents is recommended. Clean floors with lukewarm water, never use hot water (above 40 degrees Celsius).

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.

CURING TIME:

Life time at 20°C	15 min
Dry to the touch at 20°C	1 h
Pedestrian traffic at 20°C	1,5-2 h
Fully cured at 20°	2-3 days

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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