

Eurostep Poland – Ksawerów – Tymiankowa 37-39 - 95-054

PLEX 1110

Packaging:

Tin packaging: 20 kg

Barrels: 180 kg

Description:

Plex 1110 is a primer based on polymethyl methacrylate for asphalt substrates.

Features:

- Good impact and shock resistance
- Very short curing time
- Easy to process
- Good resistance to low temperatures
- Thixotropic
- Density 0.97 - 0.99 g/cm³
- Viscosity 250-450 mPa.s (sp-2 - 30 rpm)
- Shore hardness > D80
- Tensile strength > 20 N/mm²
(Sample thickness 1.3 mm)
- Elongation at Break > 30%
(Specimen thickness 1.3 mm)
- Bond strength > 1.5 N/mm²
(Concrete fracture)

Catalyst amount:

Temp (C°)	Catalyst (%)	Processing time (Min)	Curing (Min)
0 - 10	6	11	30
10 - 20	4	8	30
20 - 30	2	8	30

Consumption:

Floor system	Product	Consumption
Primer	Plex 1110	~ 0,500 – 0,800 kg/m ²
For PMMA TFD only	Mortar 0.8-1.4	~ 600 g/m ²

Substrate:

The substrate must be sound and sufficiently pressure-resistant (minimum 25 N/mm²), with a minimum bond strength of 1.5 N/mm².

The substrate must be clean, dry and free from dirt, oil, grease and other contamination.

Ball blast or diamond sand concrete substrates to remove any cement residue and achieve an open textured surface.

Remove weak concrete and loose cementitious substrates and repair surface damage such as holes and cavities.

Completely remove all dust and friable material from all surfaces, preferably with broom and/or industrial Hoover, before application.

Processing conditions:

Substrate temperature: Minimum 0°C, maximum +30°C

Ambient temperature: Minimum 0°C, maximum +30°C

Substrate moisture content: < 6% moisture
To be tested by carbide measurement.

Relative humidity: Maximum 80% R.H.

Dew point: Beware of condensation!

The recommended temperature of the material before application is 20° C.

The material must not be applied if the temperature is lower or equal to the dew point.

Application:

Briefly mix up the Plex 1120 before weighing. Add the recommended amount of catalyst and mix thoroughly. Note: In case of partial consumption, weigh in the correct quantities. See table below.

<u>Number of kilos</u>	<u>2 % Catalyst</u>	<u>4 % Catalyst</u>	<u>6 % Catalyst</u>
1 kilo	20 gram	40 gram	60 gram
5 kilo	100 gram	200 gram	300 gram
10 kilo	200 gram	400 gram	600 gram
20 kilo	400 gram	800 gram	1200 gram

Mix the Plex 1120 with the added catalyst for 1-2 minutes preferably using a high-powered mixer with a Collomix WK 90 mixing rod at low speed, 300 - 400 RPM.

It is important to primer with tooth strip 4700-280 B2 so that you apply the correct film thickness. If you apply primer with a roller or trowel, you run the risk of not applying the primer thick enough. As a result, the primer may not cure properly.

Note: when used in the PMMA TFD system, spread the primer with Mortar 0.8-1.4 with a consumption of 600 gram/m². Spreading is important for building up the correct layer thickness of the total floor system.

Ensure sufficient ventilation during application of the primer!

Notes:

Wear appropriate personal protective equipment when applying the material

The most important thing when priming is that the primer does not completely soak into the substrate. The paraffin must be given a chance to come to the surface. If the primer does soak into the substrate and does not cure properly, apply another layer of primer.

Do not prime uneven or dirty substrates.

Protection against rain and water is necessary during application and curing.

Improper assessment and treatment of cracks may lead to recurrent cracking. Mixed materials should be processed immediately.

If heating is required, do not use gas, oil paraffin or other fossil fuel burners. These produce large amounts of CO₂ and water vapour, which adversely affect the finish. Use only electrically powered hot-air ventilation systems for heating.

Health and safety information:

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, concerning physical, ecological, toxicological and other safety-related data.

Legal notice:

The information, and especially the recommendations regarding the application and end use of Eurostep products, is provided in good faith based on Eurostep's current knowledge and experience with products properly stored, handled and applied under normal conditions.

In practice, differences in materials, substrates and actual site conditions may be such that no warranty as to merchantability or fitness for a particular purpose can be derived from this information and advice, nor any liability arising from any legal relationship, based on this information, or from any written recommendations or any other advice given.

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All orders are accepted under the current sales and delivery terms and conditions. Users should always consult the most recent edition of the product safety data sheet for the product concerned. Copies of these will be provided on request.