

Plex 1120

Packaging:

Can packaging: 20 kg

Barrels: 180 kg

Properties:

- Good impact-resistant and shock-proof
- Fast curing
- Easy to apply
- Applicable at low temperatures
- Very good wear resistance
- Density: 0,99 – 1.00 g/cm³
- Viscosity 250-350 mPa.s (spndl 3 - 30 rpm)
- Shore hardness > D80
- Bond strength > 1.5 N/mm²
(Concrete fracture)

Description:

Plex 1120 is a primer based on Polymethyl methacrylate for moist (<6%) and bad concrete and cementitious bonded substrates.

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

Consumption:

Floorsystem	Product	Consumption
Primer	Plex 1120	~ 0,500 – 0,800 kg/m ²
Only for PMMA TFD	Mortel 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 adhesive strength of 1,5 N/mm².

The surface must be clean and dry and free of dirt, oil, grease and other contamination.

Concrete substrates need to be shot blasted or diamond grinded to achieve a clean and 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 vacuum cleaner, before applying the product.

Application conditions:

Surface 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 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.

Application:

Mix the Plex 1120 briefly before weighing it out. Add the recommended amount of catalyst and mix thoroughly.

Please note: When using a partial amount, measure the correct quantities. Refer to the table below for guidance..

<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 powerful mixer equipped with a Collomix WK 90 mixing paddle at a low speed, between 300 – 400 RPM.

It is important to prime with serrated spreader blade 4700-280 B2 to ensure the correct layer thickness. Applying the primer with a paint roller or trowel may pose the risk of not applying it thick enough, which could prevent proper curing.

Note: When used in the PMMA TFD system, sprinkle the primer with Mortar 0.8-1.4 with a consumption of 600 grams/m². Sprinkling is crucial for building the correct layer thickness of the entire floor system.

When applying the primer, ensure adequate ventilation!

Comments:

When applying the material, ensure the correct personal protective equipment is worn.

The key aspect during priming is to prevent the primer from fully penetrating the substrate. Allow the paraffin to come to the surface. If the primer penetrates the substrate and doesn't cure properly, apply another layer of primer.

Do not prime uneven or dirty surfaces.

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

Incorrect assessment and treatment of cracks can result in recurring crack formation.

Mixed materials should be processed immediately.

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

Health and safety information:

For information and advice on the safe handling, storage and disposal of chemical products, the user should consult the latest product safety data sheet, covering physical, environmental, toxicological and other safety-related data.

Legal notice:

The information, particularly the recommendations concerning the application and end use of Eurostep products, is provided in good faith based on Eurostep's current knowledge and experience with products that have been stored, handled, and applied correctly under normal conditions.

In practice, differences in materials, substrates, and actual on-site conditions may exist to an extent that no guarantee can be derived from this information and advice regarding merchantability or suitability for a particular purpose, nor any liability arising from any legal relationship, based on this information, or from any written recommendations or any other advice given.

Eurostep reserves the right to change product properties.

Respect for the proprietary rights of third parties is necessary.

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