

## PLEX 1110

### DESCRIPTION:

Plex 1110 is an elasticized primer based on polymethyl methacrylate used for wood and asphalt.

### APPLICATION:

Mix the Plex 1110 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.

Number of kilos	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 1110 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 MMA TF system, sprinkle the primer with Mortar 0.8-1.4 with a consumption of 600 g/m<sup>2</sup>. Sprinkling is crucial for building the correct layer thickness of the entire floor system.

Ensure sufficient ventilation during application of the primer. In enclosed spaces, mechanical ventilation with at least 7 air changes per hour is mandatory.

### CONSUMPTION:

Floor system	Product	Consumption
Primer	Plex 1110	~ 0,3 – 0,5 kg/m <sup>2</sup>
Only for MMA TF	Mortel 0,8 – 1,4	~ 0,6 kg/m <sup>2</sup>

### 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

### PROPERTIES:

Good impact-resistant and shock-proof  
 Very short curing time  
 Easy to process  
 Good resistance to low temperatures  
 Good adhesion on asphalt

### TECHNICAL PARAMETERS:

Viscosity<sup>1</sup> [mPa·s] 180-240  
 Density<sup>2</sup> [g/cm<sup>3</sup>] 0,95- 1,00  
 Shore Hardness<sup>3</sup> > D55  
 Bond strenght > 1,5  
 [N/mm<sup>2</sup>] (concrete fracture)  
 Tensile strenght [N/mm<sup>2</sup>] > 8  
 Elongation at break [%] > 150

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:

Can packing: 20 kg  
 Metal drum: 180 kg

### SHELF LIFE:

Up to 12 months after production date in original, sealed, non-opened and undamaged packaging, stored dry between +10 °C and +30 °C.

## SUBSTRATE PREPARATION:

The substrate must be sound and sufficiently pressure-resistant (minimum 25 N/mm<sup>2</sup>), with a minimum adhesive strength of 1,5 N/mm<sup>2</sup>.

The substrate must be dry, solid, and durable, and free from dust, grease, and oil. All loose and soft particles must be thoroughly removed, e.g., by shot blasting. At least 50% of the aggregate particles must be exposed through milling or shot blasting. Adhesion will take place on these aggregates.

Repair all cracks and damages in the floor before installation. Completely remove all dust and friable material from all surfaces, preferably with broom and/or industrial vacuum cleaner, before applying the product.

## 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 1110 must be carefully stirred to achieve a uniform distribution of agents contained in the product.

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.

## 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.

## 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.

**For more information about the Eurostep products or for technical advice, please contact:**

Eurostep Poland Sp. z o.o.  
Tymiankowa 37/39  
95-054 Ksawerów  
Poland

Tel.: +48 609 222 050

[www.Eurostep.pl](http://www.Eurostep.pl)