

Plex 1510

Packaging:

Can packaging: 20 kg

Barrels: 180 kg

Properties:

- Good chemical and mechanical resistance
- Fast curing
- Excellent adhesion to the substrate
- Applicable at low temperatures
- Very good wear resistance
- Density: 0,95 - 0,97 g/cm³
- Viscosity 440-520 mPa.s (spndl 1 - 30 rpm)
- Shore hardness > D80
- Tensile strength > 23 N/mm²
- Elongation at break > 22%
- Bond strength > 1.5 N/mm²
(Concrete fracture)

Description:

Plex 1510 is a polymethylmethacrylate casting resin with high tensile strength that, together with colored quartz, forms the wearing course for the PMMA TFD system.

Catalyst quantity:

Temp (C°)	Catalyst (%)	Potlife (Min)	Cure (Min)
0 - 5	4	20	60
5 - 10	3	25	55
10 - 20	2	17	35
20 - 30	1.5	14	30

Consumption:

Floorsystem	Product	Consumption
Wearing course	Plex 1510 + Plex Filler	~ 2,6 kg/m ²
	QMI quartz 0,4-0,8	~ 4 kg/m ²

Substrate:

The surface must be fully primed with Plex 1120 or Plex 1110.

You can repair holes and cavities with Plex 1510 + Plex 192 + quartz.

Due to the chemical reaction and rapid heat buildup, it's important to add coarser quartz in deeper holes to prevent the product temperature from rising too high. Excessive product temperatures can cause the mortar to detach from the substrate. The resin must always come to the surface of the mortar; otherwise, it may not cure properly. Additionally, the mixture of Plex 1510 + Plex 192 + quartz must be adequately saturated.

For holes up to 2 cm

Plex 1510	6,3 kg
Mortel 0,4-0,8	25 kg

For holes up to 5 cm

Plex 1510	6,3 kg
Mortel 0,4-0,8	25 kg
Grind 2-3	5 kg

For holes up to 10 cm

Plex 1510	6,3 kg
Mortel 0,4-0,8	25 kg
Grind 2-3	10 kg

Application conditions:

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

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

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>Kilo of Plex 1510</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 1510 with the catalyst for approximately 30 seconds. Then add the Plex Filler in the correct ratio, 2 parts Plex Filler to 1 part Plex 1510.

Mix for about 1 minutes, preferably using a powerful mixer equipped with a Collomix DLX 120 or 152 mixing paddle at a low speed, around 300 – 400 RPM.

Apply the Plex 1510 using serrated spreader blade 4676-000-S2 to achieve the correct layer thickness. Keep the spreader or notched leveller upright while applying the construction layer and regularly check if the teeth of the serrated spreader blade are not worn out!

Allow the product to flow before starting the broadcasting process. Always pour the entire contents of the bucket at once to prevent a rapid reaction of the material in the bucket.

Broadcast the construction layer with QMI quartz 0.4-0.8 until no wet spots are visible.

During the installation of the floor, ensure adequate ventilation!

Remarks:

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

Protection against rain and water is necessary during the processing and curing stages. Ensure adequate ventilation during application..

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.

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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.