

Plex 1520

Packaging:

Tin packaging: 20 kg

Barrels: 180 kg

Properties:

- Good chemical and mechanical resistance
- Very short curing time
- Excellent adhesion to substrate
- Good resistance to low temperatures
- Very good abrasion resistance
- Density 0.95 - 0.97 g/cm³
- Viscosity 60-100 mPa.s (sp-1 - 30 rpm)
- Shore hardness > D65
- Tensile strength > 19 N/mm²
(Sample thickness 2.2 mm)
- Elongation at break > 65%
(Specimen thickness 2.2 mm)
- Bond strength > 1.5 N/mm²
(Concrete fracture)

Description:

Plex 1520 is a Polymethylmethacrylate casting resin that together with coloured quartz forms the wear layer for the PMMA TFD system. 1520 is a more elastic base coat compared to 1510.

Catalyst amount:

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

Consumption:

Floor system	Product	Consumption
Wear layer	Plex 1520 + Plex Filler	~ 2,6 kg/m ²
	QMI quartz 0,4-0,8	~ 4 kg/m ²

Substrate:

The substrate must be fully primed with Plex 1120.

Repair holes and cavities with Plex 1520 + Plex 192 + quartz.

Due to the chemical reaction and rapid heat build-up, it is important to add more coarse quartz at deeper holes to prevent the product temperature from rising too high. If the product temperature is too high, the mortar may loosen. The resin must come to the surface of the mortar at all times otherwise it cannot cure.

The mixture Plex 1520 + Plex 192 + quartz must be wet.

For holes up to 2 cm

Plex 1520	6,3 kg
Mortar 0,4-0,8	25 kg

For holes up to 5 cm

Plex 1520	6,3 kg
Mortar 0,4-0,8	25 kg
Gravel 2-3	5 kg

For holes up to 10 cm

Plex 1520	6,3 kg
Mortel 0,4-0,8	25 kg
Gravel 2-3	10 kg

Processing conditions:

Substrate temperature: Minimum 10°C, maximum +35°C

Ambient temperature: Minimum 10°C, maximum +35°C

**Substrate moisture content: < 4% 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 1520 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 kilograms Plex 1520</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 1520 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.

Apply the Plex 1520 with tooth strip 4676-000-S2 so that you apply the correct layer thickness. When applying the construction layer, keep the tooth strip holder upright and regularly check that the teeth of the tooth strip have not worn off!

Allow the product to flow before you start spreading. Always empty the entire contents of the bucket at once to avoid a rapid reaction of material in the bucket.

Sprinkle the construction layer with QMI quartz 0.4-0.8 until you no longer see any wet spots.

Ensure adequate ventilation during application!

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.**

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.

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