

PLEX 1350

DISCRIPTION:

Plex 1350 is a very elastic pigmented polymethyl methacrylate membrane used for car parks, freezer cells and more. Plex 1350 is used with Plex fleece to form a waterproofing system for car parks.

CATALYST AMOUNT:

Temp. [°C]	Catalyst [%]	Processing time [min]	Curing [min]
0-10	4	~14	35-40
10-15	3	~14	30-35
15-20	2	~12	30-35
20-30	1,5	~11	20-30

CONSUMPTION:

Floor system	Product	Consumption
Top layer (1 st layer)	Plex 1350	3 - 4 kg/m ²
Plex fleece	Plex fleece (optional)	Until coverage

SUBSTRATE PREPRATAION:

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 of dirt, oil, grease and other contamination. Before applying the top coat, remove excess quartz from the floor and vacuum the floor.

Adding too much catalyst may cause yellow spots because the topcoat will then build up too high a temperature.

APPLICATION CONDITIONS:

Substate temperature:	Minimum 10°C, maximum +35 °C
Ambient temperature:	Minimum 10°C, maximum +35 °C
Surface moisture content:	< 4% moisture To be tested with a carbide measurement.
Relative humidity:	Maximum 80% R.H.
Dauwpunt:	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 1350 Colored 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.

Number of kilograms	1% catalyst	1,5% catalyst	2% catalyst
1 kg	10 g	15 g	20 g
5 kg	50 g	75 g	100 g
10 kg	100 g	150 g	200 g
20 kg	200 g	300 g	400 g

Mix the Plex 1350 with the added catalyst 1-2 minutes preferably with a high-powered mixer with a Collomix WK 90 mixing rod at low speed, 300 - 400 RPM.

FEATURES:

Good impact and shock resistance

Very short curing time

Easy to apply

Waterproofing

Good resistance to low temperatures

TECHNICAL PROORTIES:

Density 0,96 - 0,97 (g/cm³)

Viscosity 200 - 350 (mPa·s)

Elongation at break (%) > 250 (sample thickness 2,0 mm)

Bond strenght > 1,5 (N/mm²) (concrete facture)

PACKAGE:

Tin packaging: 10, 20 kg
Barrels: 180 kg

SHELF LIFE:

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

Apply with a squeegee and re-roll with a coat roller.
Ensure adequate ventilation during application of the primer!

NOTES:

Wear appropriate personal protective equipment when applying the material
Protection from rain and water is necessary during processing 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.

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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