EUROSTEP
Posadzki i nawierzchnie syntetyczne

TECHNICAL DATA SHEET

Reference: TDSPLEX1535

Edition no.: 1.0

PLEX 1535

DESCRIPTION:

Plex 1535 is a thixotropic polymethylmethacrylate paste used as a binder for covings, kerbs, stair treads, risers, and other vertical applications.

It is typically used together with quartz to form a mortar for trowel applications. Sealing with an appropriate topcoat is recommended.

APPLICATION:

Mix the Plex 1535 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.

Plex 1535	QMI quartz 0,4 – 0,8	2% Catalyst	4% Catalyst	6% Catalyst
1 kg	3,4 kg	20 g	40 g	60 g
7,35 kg	25 kg	140 g	280 g	420 g

Mix the Plex 1535 with the catalyst for approximately 30 seconds. Then add the QMI quartz 0.4-0.8 in the correct ratio. Mix for about 1-2 minutes, preferably using a powerful mixer equipped with a Collomix 120 or 200 mixing paddle at a low speed, around 300 – 400 RPM.

Apply the mixture (the mortar) to the wall using a regular trowel, then form the cove with a coving trowel.

Ensure you work cleanly and neatly. It's important that no mortar residues remain on the floor, as this will show in your flooring. Press firmly on the coving trowel to compact it well. After firmly pressing on the trowel, smooth it with a brush and Plex cleaner.

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

CONSUMPTION:

With 1 kg of Plex 1535 and 3,4 kg of QMI quartz you can make roughly 3 linear meter for a 4 by 4 cm cove. The consumption for covings are highly dependable on the height and depth of the coving.

CATALYST QUANTITY:

Temp. [°C]	Catalyst [%]	Processing time [min]	Cure time [min]
0 – 5	4	20	60
5 – 10	3	25	55
10 – 20	2	17	35
20 – 30	1,5	14	30

PROPORTIES:

Good chemical and mechanical resistance
Very short curing time
Excellent adhesion to the substrate
Easy to apply
Specially for vertical application

TECHNICAL PARAMETERS:

Viscosity [mPa·s]	Thixotropic
Density[1] [g/cm^3]	0,97-0,99
Shore Hardness[2]	> D80
Bond strenght [N/mm^2]	> 1,5 (concrete fracture)

1) ISO 2811-1, + 23°C/50% R.H
2) DIN 53505, 14 days / +23°C / 50% R.H

PACKAGING:

Can packing: 20 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 surface must be fully primed with Plex 1120 or Plex 1110.

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, lime, 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 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:

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

Prior to use, Plex 1535 must be carefully stirred to achieve a uniform distribution of agents contained in the product.

Mixed materials should be applied 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.
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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.

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