

PLEX 1535

DESCRIPTION:

Plex 1535 is a thixotropic polymethylmethacrylate paste used together with colored quartz for making coving.

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	3,6 kg	20 g	40 g	60 g
7 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 adequate ventilation while applying the floor!

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

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, oil, grease and other contamination.

Remove weak concrete and loose cementitious substrates and repair surface damage such as holes and cavities.

Completely remove all dust and friable material from all surfaces, preferably with broom and/or industrial vacuum cleaner, before applying the product.

PROPERTIES:

Good chemical and mechanical resistance

Very short curing time

Excellent adhesion to the substrate

Very good wear resistance

TECHNICAL PARAMETERS:

Density² [g/cm³] 0,98-1,00

Shore Hardness³ > D80

Bond strenght > 1,5

[N/mm²] (concrete fracture)

Elongation at break > 22

[%]

Tensile strenght > 23

[N/mm²]

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

PACKAGING:

Can packing: 20 kg

APPLICATION CONDITIONS:

Substrate temperature:	Minimum 0°C, maximum +35 °C
Ambient temperature:	Minimum 0°C, maximum +35 °C
Relative air 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.

REMARKS:

When applying the material, wear the appropriate personal protective equipment.

Protection from rain and water is necessary during processing and curing. Ensure adequate ventilation during processing.

Misjudgment and treatment of cracks can lead to recurrent cracking.
Mixed materials must be processed immediately.

If heating is needed, do not use gas, oil paraffin or other fossil fuel burners. These produce large amounts of CO₂ and water vapor, which adversely affect the finish. For heating, use only electrically driven hot air ventilation systems.

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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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