

PLEX 16 R

DESCRIPTION:

Plex 16 R is a 3 component high-performance, abrasion-resistant wearing course designed for use in heavy-duty anti-skid floor applications, like traffic areas such as parking deck ramps and drive lanes.

The product combines high surface hardness, excellent abrasion resistance and UV stability, making it ideal for areas exposed to extreme mechanical loads such as parking decks, ramps and industrial traffic zones.

Plex 16 R is installed by trowel application or using a notched rubber squeegee, ensuring uniform thickness and optimal surface build-up.

Plex 16 R is intended to be used as a wearing course layer within PMMA flooring and waterproofing systems, offering long-term resistance against abrasion, mechanical stress, and de-icing salts.

APPLICATION:

Plex 16 R is used as an anti-slip topcoat within Eurostep PMMA systems.

Particularly suitable for:

- Ramps
- Parking decks
- Entrance and exit lanes
- Turning zones
- High-wear traffic surfaces
- Logistic zones
- Industrial floors exposed to heavy mechanical loads

Due to its high hardness, the product is especially suitable for areas with intensive forklift.

CONSUMPTION:

Floor system	Product	Consumption
Primer	Plex 1120	500 g/m ²
Wearing Fine	Plex 16 R Fine	3,5 – 5 kg/m ²

Ramp system	Product	Consumption
Primer	Plex 1120	500 g/m ²
Wearing Course	Plex 16 R Course	3,5 – 5 kg/m ²

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

PROPERTIES:

Good weather resistance
High abrasion resistance
Anti-skid
UV resistant
High surface hardness
Resistant to heavy mechanical loads

TECHNICAL PARAMETERS:

Viscosity ¹ [Pa·s]	85 - 90
Density ² [g/cm ³]	1,75 - 1,85
Shore Hardness ³	> D55
Bond strenght [N/mm ²]	> 1,5 (concrete fracture)

- 1) IKA lo-vi, SP-4, 5 RPM, 21°C
- 2) ISO 2811-1, + 23°C/50% R.H
- 3) DIN 53505, 14 days / +23°C / 50% R.H

PACKAGING:

Course: 16,15 kg Plex 16 R
11,70 kg Plex 16 R Filler Course

Fine: 16,15 kg Plex 16 R
11,70 kg Plex 16 R Filler Fine

FORM:

Plex 16 R: Liquid, transparent
Plex 16 R Filler: Powder

SHELF LIFE:

Up to 12 months after production date in original, sealed, non-opened and undamaged packaging, stored dry between +0 °C and +30 °C. Avoid direct sunlight exposure, including at the mixing area.

SUBSTRATE PREPARATION:

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. Before applying the top layer, remove excess quartz from the floor and vacuum the floor.

When adding too much catalyst, yellow spots can form because the top layer then builds up too high a temperature.

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.

MIXING:

Shortly before application, stir the base component thoroughly.

Add the required quantity of catalyst and mix using a slow-speed mixer for at least 2 minutes until a homogeneous mixture is obtained.

Hardener dosage depends on temperature (see technical table).

Apply immediately after mixing.

REMARKS:

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

Prior to use, Plex 16 R must be carefully stirred to achieve a uniform distribution of agents contained in the product.

Mixed materials should be processed 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.

The user of the products must test the product's suitability for the intended application and purpose. Eurostep reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request.

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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