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ME-212 MATIFLOOR-PR

Two-component, solvent-free epoxy primer.

PACKAGING
15kg

MIXING RATIO
10kg + 5kg

CONSUMPTION
varies from the application case

Description

ME-212 MATIFLOOR-PR is a two-component, solvent-free, transparent epoxy primer. It provides excellent surface hardness and strong resistance to wear and abrasion. The system demonstrates high durability against acids, alkalis, petroleum derivatives, and saline solutions.

Area of Use

-Priming cement-based substrates prior to the application of epoxy floor coating systems from the MATIFLOOR range.
-Sealing concrete and other cementitious floors in industrial facilities, warehouses, and similar environments.
-Preparation of resin-based mortars for flooring applications.
-Formulation of repair and levelling compounds for crack filling or surface smoothing before the installation of subsequent flooring layers.

Substrate Preparation

The substrate must be dry, sound, and stable, and free from any substances that could affect adhesion, such as dust, loose particles, oils, grease, or other contaminants.

Application - Consumption

a) Priming
ME-212 MATIFLOOR-PR is applied in a single coat using a roller, brush, or spray equipment. The selected epoxy flooring system is applied within 24 hours, once the primer has fully hardened. If application of the flooring system is delayed beyond 24 hours, the surface should be broadcast with quartz sand (grain size 0.1–0.4 mm or 0.3–0.8 mm) while the primer is still fresh to ensure optimal adhesion. After ME-212 MATIFLOOR-PR has cured, any unbound sand particles must be removed using a high-suction industrial vacuum cleaner.

b) Sealing of cementitious surfaces
The prepared cementitious substrate is coated with ME-212 MATIFLOOR-PR applied by brush in two successive layers. Indicative consumption is 200–250 g/m² per layer. For the creation of slip-resistant finishes, quartz sand (grain size 0.1–0.4 mm (or M32) or 0.3–0.8 mm) is broadcast onto the still-wet first coat. Once ME-212 MATIFLOOR-PR has fully cured, all loose aggregate must be removed using a vacuum cleaner. The sealing process is completed by applying the second coat of ME-212 MATIFLOOR-PR. Quartz sand consumption: 2–3 kg/m².

c) Preparation of resin mortars
Prior to mortar application, the surface must be primed with ME-212 MATIFLOOR-PR.
Primer consumption: 200–300 g/m².
The resin mortar is prepared using the following mixing ratio by weight:
- ME-212 MATIFLOOR-PR: 1 part
- Quartz sand: 3–4 parts

The selected quartz sand grading (0.1–0.4 mm (or M32) or 0.3–0.8 mm) depends on the required layer thickness.
Components A and B of ME-212 MATIFLOOR-PR are first mixed thoroughly. Quartz sand is then gradually added under continuous mixing until a uniform and homogeneous mortar is obtained.
The epoxy mortar is applied at a minimum thickness of 8 mm, using guides where necessary, and compacted with a smoothing or finishing machine.
Approximate resin mortar consumption: 2.0 kg/m² per mm of layer thickness.

d) Repair – smoothing
Application begins with priming the substrate using ME-212 MATIFLOOR-PR.
Primer consumption: 200–300 g/m².
The repair compound is prepared with the following weight ratio:
- ME-212 MATIFLOOR-PR: 1 part
- Quartz sand: 2–3 parts

Depending on the repair depth, quartz sand with a particle size of 0.1–0.4 mm (or M32) or 0.3–0.8 mm is added to the already mixed resin components (A + B). Thorough mixing is essential to achieve a consistent material.
The repair material is applied in a single layer.
Indicative consumption: approximately 1.8 kg/m² per mm of thickness.

Features

Technical Data (IN +23°C AND 50% U.R.)

Form	2 Component epoxy resin
Colours	Transparent
Viscosity	710 mPa.s (+23°C)
Density (A+B	1.07 kg/l
Mixing ratio (A:B)	100:50 by weight
Pot life	approx. 35 min (+20°C)
Reaction to fire	Ffl
Minimum hardening temperature	+8°C
SHORE D hardness	83
Walkability	after 20 h (+23°C)
Overcoat time	after 20 h (+23°C)
Final strength	after 7 days (+23°C)
Compressive strength (EN 13892-2)	≥ 55 N/mm²
Flexural strength (EN 13892-2)	≥ 35 N/mm²
Adhesion strength (EN 13892-8)	≥ 3 N/mm²
Impact resistance (EN ISO 6272)	IR 4
Abrasion resistance (EN 13892-4, BCA)	AR 0,5
Abrasion resistance (ASTM D 4060, TABER TEST, CS 10/1000/1000)	60 mg

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