MATIS

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ME-322 MATIFLOOR-SL

High-performance, two-component self-leveling epoxy flooring.

PACKAGING
12kg

MIXING RATIO
10kg + 2kg

CONSUMPTION
0.9 kg/m²/mm

Description

ME-322 MATIFLOOR-SL is a pigmented, two-component self-leveling epoxy system designed for exceptional strength and superior abrasion resistance. It offers excellent resistance to organic and inorganic acids, alkalis, petroleum derivatives, wastewater, fresh and seawater, as well as a wide range of solvents. The system performs reliably under temperatures from -30°C to +100°C in dry conditions and up to +60°C under wet exposure.

Area of Use

-It is applied as a pourable, self-leveling floor coating on cement-based substrates where high mechanical strength and chemical resistance are required. It is suitable for use in industrial plants, warehouses, shopping centers, supermarkets, hotels, parking structures, heavy-traffic areas, fuel stations, automotive workshops, slaughterhouses, laboratories, hospitals, wineries, canning facilities, and similar demanding environments.

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. The surface is primed with ME-212 MATIFLOOR-PR epoxy primer with a consumption of 200-300 g/m².

Application

Depending on the desired surface finish, two application methods are available:

1) Smooth finish
The resin mortar is poured onto the floor and spread using a notched trowel to a thickness of 2–3 mm.
The freshly applied self-leveling layer must be rolled with a spiked roller to release trapped air and prevent the formation of air bubbles.

2) Slip-resistant finish
The resin mortar is first applied following the same procedure as for the smooth finish. While the layer is still fresh, quartz sand (grain size 0.1–0.4 mm or 0.3–0.8 mm, depending on the required level of slip resistance) is broadcast over the surface.

Consumption

It consumes 0.9 kg/m²/mm depending on the surface.

Features

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

Base	2 Component epoxy resin
Colors	RAL 7032 (pebble grey) RAL 7035 (light grey) Other colors upon order
Solid content	100%
Mixing ratio	6kg + 2kg
Viscosity	1,400 mPa.s (+23°C)
Density	1.40 kg/l
Pot Life	25 min (+20°C)
Density (A+B+M32 quartz sand)	1.75 kg/l
Viscosity (A+B+M32 quartz sand)	~10,000 mPa (+23°C)
Water absorption (ASTM D 570)	0.25% w/w after 24 h
Reaction to fire	Bfl - s1
Minimum hardening temperature	+8°C
Walkability	after 24 h (+23°C)
Recoat time	after 24 h (+23°C)
Final strength	after 7 days (+23°C)
Abrasion resistance (EN 13892-4)	< 50 µm
Compressive strength (EN 13892-2)	≥ 45 N/mm²
Adhesion strength	≥ 3 N/mm²

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