

PRODUCT FAMILY

Flooring & Floor
Hardeners

MCT

MC-Epo Floor S.L 20

Self-Leveling Epoxy Flooring Mortar for Concrete

Multi-component epoxy flooring system with self-leveling properties for smooth, uniform concrete floors with abrasion and chemical resistance.

Consumption	Pot life	Density @ 25°C	Packaging
1.8-2.0 kg/m ² per 1 mm	30 min at 25-30°C	1.8 g/cm ³	22.9 kg

Description

MC-Epo Floor S.L 20 is a multi-component epoxy system designed with self-leveling properties for concrete flooring.

Where to use

- Hospitals, slaughterhouses and warehouses.
- Laboratories and power plants.
- Textile mills, TV studios, workshops and aircraft hangars.
- Exhibition halls, bakeries and dairies.
- Chemical and pharmaceutical plants.

MCT TECHNICAL DATA

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Advantages

- Self-leveling properties provide a smooth, uniform surface.
- According to the source, it does not support normal growth of bacteria, fungi or algae.
- High resistance to mineral oils, fuels, most diluted inorganic acids, alkalis, solutions and organic acids.
- Produces an extremely smooth finish.
- Available in a wide range of colours.
- High bond strength combined with high abrasion and chemical resistance.

Application rate

MC-Epo Prime primer	200-300 g/m ²
MC-Epo Floor S.L 20	1.8-2.0 kg/m ² per 1 mm thickness

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Technical data

Colour	Available in a wide range of colours
Pot life @ 25-30°C	30 minutes
Tack-free time @ 25-30°C	About 24 hours
Complete cure @ 25-30°C	7 days
Solvent content	None
Density @ 25°C	1.8 g/cm ³
Compressive strength	600 kg/cm ²
Flexural strength	250 kg/cm ²
Packaging	22.9 kg: 5.5 kg resin + 2.4 kg hardener + 15 kg filler

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Chemical resistance

Material	Concentration	Resistance
Sulfuric acid	25%	Excellent
Hydrochloric acid	20%	Excellent
Phosphoric acid	40%	Excellent
Citric acid	10%	Excellent
Oxalic acid	10%	Excellent
Acetic acid	10%	Excellent
Sodium hydroxide	20%	Excellent
Ammonia	15%	Excellent
Solvents & mineral oils	-	Excellent
Acetone	-	Acceptable
Xylene	-	Acceptable
Salt solutions	-	Excellent

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Application procedure

- Surface preparation: concrete must be clean, dry and free from oils, grease and foreign matter. Repair honeycombs, holes and defects before application.
- Priming: mix MC-Epo Prime components thoroughly and apply by roller, brush or a suitable tool. Allow the primer to become tacky before applying the flooring mortar.
- Mixing: mix MC-Epo Floor S.L 20 with a low-speed mixer for 3-5 minutes until fully homogeneous.
- Application: pour onto the primed surface and spread with a notched trowel, then pass a spiked roller to release entrapped air.

