

TWO-COMPONENT INTERMEDIATE EPOXY FLOOR COATING - REAL MC 500

PRODUCT DESCRIPTION

REAL MC 500 is a two-component epoxy floor coating that is used as an intermediate layer after applying a primer and before applying self-leveling or relief epoxy floor coatings.

TECHNICAL SPECIFICATIONS

Appearance	Full gloss
Color	Optional from Ral catalog
Density (gr/ml 20°C)	1,60 ± 0,05
Mixing ratio by weight	Component A: 8,5 units Component B: 1,5 units
Solids by weight (w/w)	% 98 ± 2
Application method	Squeegee, brush and roller
Open working time at +20°C	20-25 min.
Full drying time at +20°C	4-7 days



DRYING INFORMATION (100 micron KFK)

°C	Touch Dry	Hard Drying	Interval between layers
-5°C	12 hours	29-30 hours	24 hours
0°C	9 hours	20-21 hours	18 hours
5°C	6 hours	13-14 hours	12 hours
15°C	120-160 min.	5-6 hours	3,5 hours
25°C	80-100 min.	3-4 hours	2 hours
35°C	60-80 min.	1,5-2 hours	1,5 hours

Note: As the application thickness increases, consumption increases as well.

Consumption of wet film thickness (μ)	Dry film thickness (μ)	Theoretical consumption rate ± 10 (kg/m ²)
375	370	0,600

Note: As the application thickness increases, consumption increases as well.

APPLICATION AREAS AND FEATURES

REAL MC 500 is an intermediate floor coating that is applied as an intermediate layer after the primer **REAL WET 365** or **REAL RESIN 360** has been applied and before the application of self-leveling (**Slf 116**) or relief (**Grn 785 Tx**) floor coating. This intermediate layer provides excellent adhesion in multi-layer floor systems.

Application areas:

REAL MC 500 provides thickness and mechanical strength between the primer and the finishing layer of epoxy floor coating - self-leveling-(**Slf 116**) or embossed-(**Grn 785 Tx**).

The intermediate floor coating - **REAL MC 500** can be applied to floors in factories, warehouses, workrooms, loading and unloading areas and industrial floors subjected to medium and heavy loads.

USAGE MANUAL

Surface preparation:

The application surface is carefully cleaned from dirt, oil and grease. Loose old paint (on previously painted surfaces) is removed. Rust, dust and burrs on the surface are cleaned with diamond-tipped machine according to SA 2 ½ norms.

Product usage:

Before using **REAL MC 500**, the components A and B are stirred well separately. Then the components are mixed and stirred until a homogeneous mixture is obtained. To prevent condensation, the product is applied only to a dry and clean surface with a temperature above the dew point. The product temperature should be between +20 to +35°C.

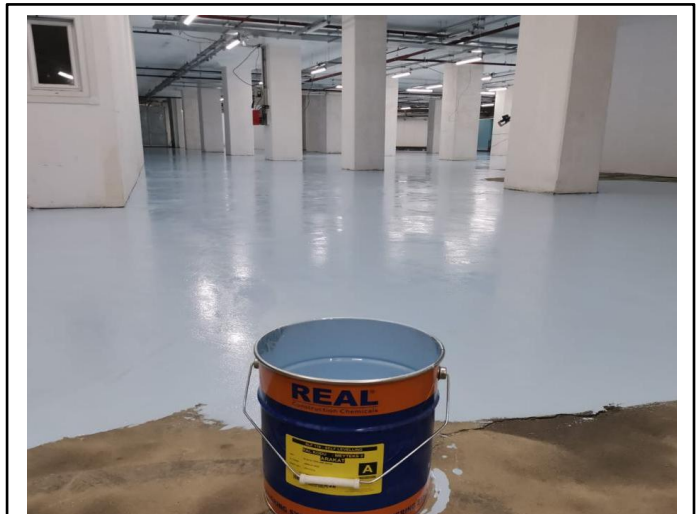
Application method: Apply with a trowel, roller or brush.

PACKAGES

REAL MC 500

Component A: 21.5 kg. + Component B: 3.5 kg.

Total weight set: 25 kg.



SHELF LIFE

The products should be stored in its original packages in a cool and dry place. The storage life of the varnish in unopened packaging is 24 months for components A and B.

AMBIENT CONDITIONS

Ambient temperature should be between +5°C and 35°C. Do not apply when the relative humidity exceeds 80%. The surface temperature should be at least 3-5 °C above the dew point to prevent surface condensation.

It should be known that the consumption will increase in windy weather. The surface temperature should be at least - 5°C and at most 45°C.

HEALTH AND SAFETY INFORMATION

Read the MSDS form (Material Safety Data Sheet) for necessary safety rules and warnings.

Minimum safety rules has to be followed are the follow ones.

- Contact of the paint with skin and eyes should be prevented by using gloves, protective goggles, face mask, and industrial cream.
- Ensure adequate air circulation during application and until the paint dries.
- If paint comes into contact with skin, wash with warm water and soap or industrial cleaner. If splashed into eyes, rinse with water for at least 10 minutes and seek medical attention.
- Since such materials contain flammable components, they should be kept away from sparks and naked flames. Smoking should not be allowed in the area.
- All warning notices on the buckets must be read carefully and the recommended operating rules must be observed.

* Our information about the products is based on our own laboratory tests and research under normal conditions. Our company is not responsible for studies under unsuitable application conditions. The right to change this information is reserved by our company. Please contact R.Y.K. for more detailed information.

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