RESIN EP SELF

Self-Levelling Colored Epoxy Coating

DESCRIPTION

It is an epoxy resin-based, two-component, solvent-free and color flooring of fast curing, which is used as self levelling multilayer or thin coat coating.

RECOMMENDED FOR

• On the concrete, cement or epoxy mortars for all industrial floors;
• In the warehouse, hangar and repair-maintenance units,
• For epoxy multilayer systems applicable at the factories, workshops, production and packaging sites having a traffic of forklift, loader and heavy vehicles
• On surfaces subject to medium to heavy load in many places which require mechanical, chemical and wear resistance by mixing silica sand.

PACKAGING

A 24-kg set of RESIN EP SELF consists of Component A in one pail of net 20 kg and Component B in one gallon of net 4 kg.

ADVANTAGES

• Solvent-free,
• Easy to apply, due to better spread gives uniform and smooth glossy surface,
• Fast curing, after application, even in winter conditions after one day, suitable surface gives for pedestrian traffic,
• High compression and wear resistance,
• Easy to clean and resistant to chemicals

APPLICATION PROCEDURES

Surface Preparation: Floor surface should be clean and defect-free. All loose, friable particles oil and paint leftovers and cement laitance on the surface should be removed. Wide breaks and defects should be repaired beforehand. Rules of surface preparation should be observed during the priming procedure.

Strength: Mechanically, it resists against mechanical effect of medium to high load. And thermally, it resists up to +80°C on humid temperature (also without any chemical and mechanical effect) and up to +120° C at dry temperature.

Application Conditions:

- Relative humidity of the air should be 80% maximum and the application (ambient and surface) temperature should be between 5 and 35 °C.

- In case it is applied outdoors, it should not be rainy 24 hours before and after and during the application.

- Surface temperature should be 3°C above the then dew point. (Please call our firm for the Ambient temperature-Ambient Moisture-Dew Point table.

Mixing Procedure:It is a two-component product and it should, therefore, be prepared at the mix ratio specified for the quantity to be used, taking into consideration the pot life. For a homogenous mixture, make sure that the product temperature should not be less than 15°C. Component A should be stirred by itself by use of a mechanical mixer quickly and then the hardener (Component B) should be added, taking care of the mix ratio. Components A and B should be stirred for minimum 3 minutes until you have a homogenous mixture. For higher compressive strength, quartz sand in the respective mix ratio (%25 by weight- 0.1-0.3 mm quartz sand) is added to the ready mixture and the mixing operation is continued until it becomes homogenous.

Surface Application: After made ready to apply, the mixture is applied with toothed trowel on the surface primed and level-balanced for self-levelling flooring. Air bubbles of the fresh flooring that spreads over the surface thoroughly should be removed by spiked roller. Roller is used for thin coating. Wait time between the coats is minimum 24 hours (20°C) and maximum 5 days. It is very important that the second coat should be applied within the time for overcoating specified above. It reaches to a full mechanical and chemical strength in about 7 days.

Clean Up:Cellulosic or Epoxy thinner.

SAMPLE SYSTEM

Suitable for use in all industrial flooring 2,5 - 3,0 mm floor covering

As midcoat: RESIN EP PRIMER……3000 gr/m2

As topcoat: RESIN EP SELF …. 1700 gr/m^2

(with addition %25-by weight, 0,1-0,3 mm, quartz sand)

When color resistance is required and at the areas exposed to atmosphere;

*- As protective coat :*RESIN FLOOR PROTECH….100-150 gr/m^2

STORAGE

Store the product in a cool and dry place. Shelf life of the product is 1 year for Components A and B when stored properly in the original container unopened.

RESIN EP SELF

TECHNICAL SPECIFICATIONS

Finish	Gloss
Color	All colors
Density (20˚C)	1,40 ± 0,05 kg/l (A+B)
Mixing Ratio	5:1 (A:B – by weight)
Solids by volume	%100 (A+B)
Pot Life (+10°C)	50 minutes
(+30°C)	20 minutes
Wait Time Between Coats (20˚C)	24 hours
Light Traffic (20˚C)	24 hours
Fully Cured (20˚C)	7 days
Compression Strength	80 N/mm² (in full cure)
Taber Abrasion Resistance	70 mg (in full cure)
Flexural Strength	30 N/mm² (in full cure)

Safety Informations

Refer to Material Safety Data Sheet (MSDS) prepared as per the related EU directives before use.