TECHNICAL DATA SHEET

EPOFLOOR COAT TEXT

Two Component, containing low solvent, Special Epoxt Resin Based Textured Floor Coating Material

AREA OF USE

It can be used as final layer thin coating on floors desired to be waterproof, non-dusting, chemical and mechanical resistant. It offers an ideal floor system for schools, workshops, cooling celles, galleries and locker rooms.

PROPERTIES

It has high chemical and mechanical resistance.
Resistant to slip and abrasion.
Easy to apply.
It's fluid.
It's economic.
Liquid impermeable.
Bright final coating is obtained.
Slip resistant surface can be obtained.
Volatile organic material (VOC solvent) free.

APPLICATION

SURFACE PREPARATION

Concrete sub-surfaces may be free from all foreign materials such as clean, dry and all kinds of dirt, oil, grease, coating and surface treatments. In addition, should also be strong and have sufficient compressive strength (minimum 25 N/mm2), the tensile strenght should also be at least 1,5 N/mm2.
Concerete sub-surfaces should be prepared by using abrasive equipments and by removing cement slurry in order to obtain open porous structure. Weak concrete parts should be removed from surface, bird's eye gaps and holes should be completely closed. Sub-surface repairs, filling the gaps and leveling the surface are made by the mortar obtained by mixture of 0,1 mm- 0,3 mm silica sand and EPOFLOOR PRIMEL plaster.
Concerete or screed surfaces should be primed and leveled in order to obtain a smooth surface. Heights on the surface should be leveled by abrading. All dust and loose particles should be removed from the surface preferably by brush and/or vacuum cleaner.

APPLICATION CONDITIONS

Surface moisture content must be less than 4%.

Test method: CM measurement or Stove-drying method (moisture meter)

Relative humidity must not exceed 80%.

Care should be taken to dew and condensation.

Dew and water vapor condensation damage the coating on untreated or new treadet floor, cause bubbles to form. To prevent this, temperature of the surface and uncured floor must be at least 3 °C more than dew point.

Surface Temperature: Minimum +10 °C, maximum +30 °C

Ambient Temperature: Minimum +10 °C, maximum +30 °C

Material Temperature: Minimum +10 °C, maximum +30 °C

PREPARATION AND APPLICATION OF MORTAR

Before mixing, A component should be mixed mechanically. After pouring B component into A component, until obtaining a homogeneous mixture, it's stirred for 2-3 min. by a mixer with 300-400 rpm. Then 0,1-0,4 mm silica sand and if necessary other fillings are added and until obtaining a homogeneous mixture, they are stirred again about 2-3 min. In order to make sure that the mixture is fully prepared, materials are transferred into another container and are stirred again for 1 minute. In order to minimize air entrainment, over stirring must be avoided.

As Coating EPOLOOR TEXT can be applied by rabble or scraped trowel and can be textured by using textured roller. Orange peel pattern is applied in final coating (crosswise).

SYSTEM STRUCTURE

Protection of Concrete Floor (Dye Application): Application by roller

Primer: 1 coat x EPOFLOOR PRİMEL

Coating:: 1 coat x EPOFLOOR TEXT

CONSUMPTION

Coating System:

Primer: EPOFLOOR PRİMEL 0,3 kg/m^2 – 0,5 kg/m^2

Roller Coating: 1 coat x EPOFLOOR TEXT 0,5 kg/m^2 – 0,7 kg/m^2 Apply for each coat.

These values are theoretical and don't include additional material requirement depending on surface porosity, surface profile, differences in level and wastage.

Consumption: About 0,5-0,7 kg/m^2 for coating system.

TECHNICAL DATA

Material Structure	Epoxy Resin
Density, g/cm^3	1800 ± 100
Solvent	< % 10 (by volume)
Thinning	Unthinned
Bond Strength	> 1,5 N/mm^2 (by breaking off the concrete)
Shore D Hardness	~ 76 (7 days / 23 °C)
Recommended Thickness	0,2 mm
Taber Abrasion Test (1 kg, CS 10, 1000 d)	~ 80 mg

CURING DETAILS

Humidity (N. O.) and Temperature	Pedestrian traffic	Light traffic	Full curing
N.O. % 60 +10 °C	16 hours	3 days	10 days
N.O. % 60 +20 °C	13 hours	2 days	7 days
N.O. % 60 +30 °C	10 days	1 day	5 days

CHEMICAL RESISTANCE

Resistant to: Gasoline, beer, cyclohexane, diesel oil, ethanol 10%, ethylene glycol, glycerin, milk, sodium chloride solution 3-30%, sodium hydroxide 10%, olive oil, paraffin, petrol, castor oil, silicone oil, turpentine, water and soap.

Partially Resistant to: Butanol, methylisobutylketone, perchlorethylene and xylene. Color change may appear with the effect of chemicals. This study has been carried out at room temperature. High temperatures and / or mixtures of chemicals may affect the chemical resistance.

STORAGE AND PACKAGING

- It's offered in 17 kg sets. (Component A: 14 kg bucket, Component B: 3 kg bucket).
- Shippet on pallets upon request.
- Under proper storage conditions, shelf life is 12 months from date of production.
- Opened packages should be tightly closed, stored under proper storage conditions and consumed within 1 week.
- It should be stored in unopened original packaging, in cool and dry ambient, without exposed frost and direct sun light.

WARNINGS

- Do not allow ponding when applying primer.
- New applied product must be protected from damp, condensation and water for at least 24 hours.

- During application, work clothings appropriate for occupational health and safety rules.
- If swallowed, consult a doctor immediately.
- Food and drink should not be brought to the application areas.
- Store out of the reach of children.
- Do not exceed the specified instructions and applications.
- Ask for product safety data sheet for more information.
- Please consult us for your technical questions related to all other application requirements.

CERTIFICATE OF CONFORMITY

The above data were obtained in the laboratory. For more information, please consult our Technical Department.
Entegre reserves the right to change the above information.
Entegre is not responsible for any failure due to misapplication.