

Epoxy Based Orange Peel Thixotropic Coating Material

Product Definition

It is an epoxy resin-based, two-component and color flooring with high content of solids and low viscosity, which is used as topcoat with textured - orange peel appearance for the paint systems designed as multilayer or thin flooring.

Uses

- On the concrete, cement or epoxy mortars for all industrial floors;
- For the units of warehouses, hangars and repair-maintenance and assembly with forklift, loader and heavy vehicle traffic;
- For epoxy multilayer systems applicable at the factories, workshops, production and packaging sites; and
- For floors subject to medium to heavy load, featuring non-skid, mechanical strength and abrasion resistance.

Usage and Consumption

It is 300-600 gr/m² for standard areas.

Depending on the system solutions, the usage pattern may vary.

Advantages

- Applicable with airless spray paint application equipment;
- Resistant to diesel, petrol and many chemicals;
- High abrasion resistance,
- Resilient hard structure,
- Non-skid surface profile

Packaging

A 22 kg set of BILIZO FLOOR EPOXY T consists of Component A in one pail of net 20 kg and Component B in one galloon of net 2 kg,

Technical Data

Finish	Semi-Glossy
Color	All colors
Density	1,55 ± 0,05 kg/lit (A+B)
Mix Ratio	10:1 (A:B – by weight)
Solids by volume	75% (A+B)
Pot Life (+10°C)	120 minutes
Pot Life (+30°C)	50 minutes
Wait-Time Between Coats	24 hours / 20°C
Ready for Light Traffic	2 days / 20°C
Full Cure	7 days / 20°C
Taber Abrasion Resistance	30 mg (full cure)
Surface temperature	+8°C - +35°C
Ambient temperature	+8°C - +35°C
Relative air humidity	Max %70-80
Dew Point	Pay attention to the dew point! Dew point must be at least +3 °C in order to reduce the risk of condensation and blooming in finished surface and uncured coating surface temperature.

Application

Preparation of Surface: Application surface should be clean and free of damages. Wait-time for the previous primer or the undercoat should be observed.

Ambient Conditions:

- Relative humidity of the air should be 75% 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 48 hours before and 48 hours 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.)

Preparation of Mixture: 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 is not 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 by using a mechanical mixer for minimum 3 minutes until you have a homogenous mixture. Make sure that you apply the mixture within its pot life.

Surface Application: After made ready to apply, the mixture is preferably applied by airless spray or roller with short hair in amount specified in the paint system or in such amount to obtain the desired dry film thickness as controlled by wet film comb. If it is desired that the fresh flooring spread over the surface completely should give a thicker orange peel appearance, the paint film is combed by using coral roller 30-40 minutes after the application. 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.

WARNING: After 36-48 hours the material is applied, air temperature should be above 8°C , it should not be rainy or snowy and should be applied with considering the possibility of raining.

Tool Cleaning: Cellulosic or epoxy thinner.

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

Safety Measures

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