



Product description: This coating is designed on the basis of epoxy resin and polyamine hardener and with the characteristic of extraordinary mechanical and electrical resistance, excellent chemical resistance and high thermal resistance, it is used to create resistant floor coatings and is able to create a unified, uniform surface with a beautiful appearance in different environments.

Application:

The above two-part coating with excellent adhesion can be used for all places that need a resistant, hygienic and integrated coating, such as airplane hangars, factories, hospitals, and warehouse halls, etc.

Technical data:

Specification	Details	EN Standard	ASTM Standard
Color / Shade	White and Colored	Visual / EN ISO 3668	D1535
Solids by Volume %	92 ± 3	EN ISO 3251	D2697
Solids by Weight %	95 ± 2	EN ISO 3251	D2369
Density / Specific Gravity	1.3-1.7 kg/lit	EN ISO 2811	D1475
Mixing Ratio (by Weight)	Depending on different shade	Internal Method	Internal Method
Shelf life	12 months		
Wet Film Thickness (WFT) µm	2800-3400 µ	EN ISO 2808	D4414
Spreading Rate (Theoretical Coverage) m2/L	0.3-0.4 m2/lit	EN ISO 6504	D2697
Hardening mechanism	two-component chemical reactions	Technical Description	Technical Description
flashpoints	25° C	EN ISO 1523	D93

Temperature C° °F	Surface drying time (Clock)	Ultimate Hardship Time (Day)	Pot life (Clock)
59 (15)	24 -12	at last 9	2.5 - 3.5
77 (25)	24 -10	7	1.5 - 2.5
104 (40)	24 -7	5	1 - 2

The drying time depends on the thickness of the applied film, all the data in this catalog are based on the dry film thickness in laboratory conditions.

Equipment Used:

Epoxy floor polisher - Bubble roller for epoxy floors

Storage Conditions:

This product should be in a closed space and away from direct rays . The temperature should be kept at 5 - 35 C0.

ALKYD PAINTS- EPOXY FLOOR FINISHING (F - 552)

Environmental Conditions:

The temperature of the surface should be at least 3 degrees higher than the dew point. In hot weather, the temperature of the materials before mixing should be 20-25, otherwise the pot life will be very short. To ensure the hardening of the coating, the air and surface temperature should be above 10 degrees.

Surface Preparation:

- The desired surface should be well clean, dry and free of any contamination and prepared according to ISO 08504: 1992 standard.
- While respecting the Interval time of the bottom coating, the broken and damaged parts should be prepared according to the Sa21/2 standard (ISO 8501-1:1988) and the primer surface should be repaired before applying the F552 coating.

Method of Applying:

- First sand the surface and make it even.
- If there are cracks and seams on the desired surface, fill the seams with epoxy putty and after the putty hardens, and if needed, sand the cracks again.
- Clean the surface completely and remove the dust from it.
- Apply a layer of primer epoxy (P552) evenly on the surface.
- The middle epoxy coating of the floor should be applied on the epoxy primer for strength.
- Finally, the final coating of the floor should be carried out as follows: First, mix component A completely and add component B to this coating to component A and mix slowly until a uniform mixture is created. Pour the paint slowly on the surface and make it uniform with a special epoxy trowel. Then remove the bubbles created on the surface with a bubble catcher roller. (Avoid adding any solvents to the paint)

Safety Tips:

This product is water-based and not flammable. However, it is recommended that in case of contact with the skin, wash it with soap and large amounts of water, and in case of further skin sensitivity and irritation, see a doctor.

Considerations:

The available information is based on our technical knowledge and laboratory research, but since the conditions and methods of application are different and out of reach, we do not guarantee the results of it.



LEGAL NOTES : The information contained in this Technical Data Sheet is based on laboratory testing and practical experience. Actual performance may vary depending on substrate condition, application method, and environmental conditions. Users should test suitability before large-scale application.

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