



POLYURETHANE PAINTS- TWO-COMPONENT SEMI-GLOSSY POLYURETHANE COATING (F-675)

Product description:

F675 is a two-component coating based on aliphatic iso-cyanate-acrylic resin, and one of the salient features of this coating is the ability to maintain good color without chalking, flexibility, as well as resistance to wear, impact, ultraviolet rays, and dust.

Application: This cover (in one cycle) is used to protect industrial structures, machines and the external body of tanks that are in different weather conditions. It should be noted that this coating has high resistance against oil secretions, vegetable and animal oils, chemical, acidic, alkaline and neutral conditions.

Technical data:

Specification	Details	EN Standard	ASTM Standard
Color / Shade	Clear	Visual / EN ISO 3668	D1535
Solids by Volume %	52 ± 3	EN ISO 3251	D2697
Solids by Weight %	71 ± 2	EN ISO 3251	D2369
Density / Specific Gravity	1 - 1.7 kg/lit	EN ISO 2811	D1475
Mixing Ratio (by Weight)	Depending on different shade	Internal Method	Internal Method
Shelf life	12 months		
Dry Film Thickness (DFT) μm	45 - 55 μ	EN ISO 2808	D7091
Wet Film Thickness (WFT) μm	85 - 95 μ	EN ISO 2808	D4414
Spreading Rate (Theoretical Coverage) m2/L	9 - 11 m2/lit	EN ISO 6504	D2697
Hardening mechanism	Solvent evaporation and chemical reactions of two components	Technical Description	Technical Description

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.

Temperature C° °F	Surface drying time (Clock)	Full Cure	Recoating time (hours)	Pot life (Clock)
59 (15)	14 -16	minimum 7	3-4	6
77 (25)	4	7	1 - 2	4-5
104 (40)	2-3	5-7	1.5	3

Storage conditions :

This product should be stored in a closed space away from direct rays at a temperature of 5-35 degrees.

Equipment Used:

AIRLESS SPRAY

Nozzle diameter: 0.015-0.021 inches

Output pressure: minimum 141 times AIR SPRAY

Nozzle diameter: 1.8 - 2 mm

Nozzle pressure: 2-4 TIMES

Brush: 15-25 μm (for staining)

Roller: 15-20 μm (for staining)

Method of Applying:

- 1-All equipment should be cleaned with recommended thinner before use.
- Part A should be mixed with a strong mixer.
- 3- Add component B to component A and continue mixing for 5 minutes.
Note: Due to the fact that the storage time of the mixture (Pot life) is limited, avoid mixing more than the required amount. Note: The best application time is 20-30 minutes after mixing the two components.
- It is recommended to use 5% thinner for air spray and 3-5% thinner for airless spray.
- Each painting pulse should be applied in parallel so that each pulse covers 50% of the painted surface with a right angle.
- To ensure the desired thickness, corners, sharp edges, rivets and uneven parts should be covered again.
- If the application of the cycle exceeds the minimum interval time of this coating, the hardness of the surface must be taken into account for the adhesion of the next layers. (If the adhesion decreases, a layer of epoxy sealer or mist coat is recommended as the next coating.) Note: Before applying the cycle, if the surface has been exposed to a polluted environment, it should be cleaned with high pressure of wind or water and the surface should be completely dry. 8-Wash all equipment immediately after use.

Safety Tips:

This coating is flammable and must be away from flame and heat, and the operator is obliged to read and comply with the MSDS of this product, use a special mask and safety gloves during use, and operate in environments with proper ventilation.

Considerations:

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



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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