

**POLYURETHANE PAINTS- SEMI-GLOSSY POLYURETHANE TOPCOAT (1-352 • HB)**

Product description: F675 is a two-component coating based on acrylic resin aliphatic isocyanate and the outstanding features of this coating are the ability to retain color without plastering, flexibility and also resistance to wear, impact, UV and dust.

Application: This coating (in a cycle) is used to protect industrial structures, machinery and external bodies of tanks that are in different atmospheric conditions. It should be noted that this coating is resistant to oil secretions, vegetable and animal oils, chemical, acidic and alkali neutral conditions.

Technical data:

Specification	Details	EN Standard	ASTM Standard
Color / Shade	White and Colored	Visual / EN ISO 3668	D1535
Solids by Volume %	70 ± 3	EN ISO 3251	D2697
Solids by Weight %	80 ± 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		
Dry Film Thickness (DFT) μm	150 -200 μ	EN ISO 2808	D7091
Wet Film Thickness (WFT) μm	225 -300 μ	EN ISO 2808	D4414
Spreading Rate (Theoretical Coverage) m2/L	3.3 - 4.5 m2/lit	EN ISO 6504	D2697

Temperature C° °F	Surface drying time (Clock)	Full Cure	Recoating time (hours)	Pot life (Clock)
59 (15)	24 - 30	13	6	8
77 (25)	16 - 24	Minimum 7	4-6	6
104 (40)	16	Minimum 5	3-5	4

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:

AIRLESS SPRAY : Nozzle diameter: 0.021-0.017 inches Output pressure: at least 141 bar

AIR SPRAY

Nozzle diameter: 2.2-1.8 mm - Nozzle pressure: 3-5 bar

Brush: 20-30 μm (for staining) - Roller: 20-30 μm (for staining)

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

Environmental Conditions:

The surface temperature should be at least 3°C above the dew point. In hot climates, the temperature of the material should be 20-25 before mixing, otherwise pot life will be too short. To ensure the hardening of the coating, the air and surface temperature should be above 10°C. This coating should not be applied in areas that have been overturned or wind speeds exceeding 7 mis.

Surface Preparation:

- The surface should be clean, dry and free of any con-termination and be prepared in accordance with ISO 8504:1992 standard.

- While observing the intervals of the underlying cover, the broken and damaged parts should be prepared according to ISO 8501-1:1988 standard (Sa21/2) and the surface of the underlying coating should be repaired before the F675 coating.

Method of Applying:

- All equipment should be cleaned with the recommended thinner before use.

- Component A is mixed with a strong mixer. B. Add to component A and continue mixing for 5 minutes.

Note: Due to the limited pot life time, avoid mixing more than the required amount.

Note: The best time to apply is 20-30 minutes after mixing the two components.

- For air spray 5% thinner and 3-5% thinner is recommended for spray without air. Each staining pulse should be applied in parallel, so that each pulse covers 50% of the painted surface at the right angle.

- To ensure the thickness of angles, sharp edges, rivets and uneven parts should be re-covered.

- In case of prolonged coating time and need to increase the coating thickness, the desired surface is prepared with soft sanding for execution.

- Wash all equipment immediately after use.

Safety Tips:

This coating is flammable and should be kept away from flame and heat, and the executor is also obliged to study and observe the MSDS conditions of this product, to wear special masks and safety gloves when using and in environments with proper ventilation.

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



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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