PRIMER PAINTS- POLYAMINE EPOXY PRIMER (P-252)

Product description:

P252 is a two-component coating based on polyamine epoxy resin. One of the prominent features of this coating is its high performance and excellent resistance to corrosive agents and chemical agents under highly corrosive conditions.

Application: This coating (in an epoxy system) can be used to protect metal structures and machines, internal and external surfaces of tanks and pipes that are under highly corrosive marine and industrial conditions.

Technical data:

Specification	Details	EN Standard	ASTM Standard
Color / Shade	Clear	Visual / EN ISO 3668	D1535
Solids by Volume %	85 ± 3	EN ISO 3251	D2697
Solids by Weight %	92 ± 2	EN ISO 3251	D2369
Density / Specific Gravity	1. 3 - 1.6 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	100 - 150 µ	EN ISO 2808	D7091
Wet Film Thickness (WFT) µm	120 - 170 µ	EN ISO 2808	D4414
Spreading Rate (Theoretical Coverage) m2/L	5.5 - 8.5 m2/lit	EN ISO 6504	D2697
Flash Point	25° C	EN ISO 1523	D93

Temperature C° °F	Surface drying time (Clock)	Full Cure	Recoating time (hours)	Pot life (Clock)
59 (15)	24	14	6	8
77 (25)	17	7	3-4	6
104 (40)	12	4	2	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: 0.017-0.021 inches

Output pressure: minimum 141 times

AIR SPRAY

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

Brush: 40-50 µm (for staining) - Roller: 40-50 µm (for staining)

Storage Conditions:

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

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 20-25C^0, Otherwise the pot life will be very short. To ensure the hardening of the coating, the temperature of the air and the surface should be above 10. This cover should not be implemented in areas where the weather changes or the wind speed exceeds 7 mis.

Surface Preparation:

- The desired surface should be well clean, dry and free from any contamination and prepared in accordance with ISO 8504: 1992. Places that need to remove welding waste, smooth joints and sharp edges. Oil or Grease should be solvent washed according to SSPC-SP1 standard.
- Sandblasting of the surface should be done in accordance with ISO 8501-1:1988 (Sa21/2) or SSPC-SP
- If the time between sandblasting and the application of this coating is extended and surface rust occurs, the surface should be sandblasted again.
- Profile(µ 60-40) is recommended for this system.

Method of Applying:

- All equipment should be cleaned with recommended thinner before use.
- Part A should be mixed with a strong mixer.
- 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.

For application with air spray, 5% thinner is recommended from 10-10% and for airless spray, 5% thinner is recommended.

- Each painting pulse must be applied in parallel so that each pulse covers 50% of the painted surface with a right angle.
- To ensure the desired thickness, angles, 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.)

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.

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