



Product description:

P3522 is a two-component primer based on epoxy poly-amide resin with zinc phosphate anti-corrosion pigment. Among the prominent features of this coating, excellent adhesion to the surface, anti-corrosion properties, excellent resistance to water spills, solvents, chemicals and petroleum derivatives can be mentioned.

Application: This coating can be used to protect metal structures, machines, external surfaces of tanks and pipes, oil refineries.

Technical data:

Specification	Details	EN Standard	ASTM Standard
Color / Shade	Gray	Visual / EN ISO 3668	D1535
Solids by Volume %	68 ± 3	EN ISO 3251	D2697
Solids by Weight %	80 ± 2	EN ISO 3251	D2369
Density / Specific Gravity	1.4 - 1.6 kg/lit	EN ISO 2811	D1475
Shelf life	12 months		
Dry Film Thickness (DFT) μm	50 - 60 μ	EN ISO 2808	D7091
Wet Film Thickness (WFT) μm	75 - 90 μ	EN ISO 2808	D4414
Spreading Rate (Theoretical Coverage) m ² /L	11 - 13 m ² /lit	EN ISO 6504	D2697
Hardening mechanism	Two components chemical reactions	Technical Description	Technical Description

Temperature C°/F	Surface drying time (Clock)	Full Cure	Recoating time (hours)	Pot life (Clock)
59 (15)	3-4	minimum 7	24 -26	8
77 (25)	1 - 3	7	24	6
104 (40)	1	5	16 - 24	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: :

Not recommended - Roller: : Not recommended



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.

PRIMER PAINTS- EPOXY ZINC PHOSPHATE PRIMER (P-3522)

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°C⁰, 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 m/s.

Surface Preparation:

- 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.
- It is recommended to use 10% thinner for air spray and 5-10% thinner for airless spray.
- Each painting pulse must be applied in parallel so that each pulse covers 50% of the painted surface with a right angle. 6- 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.)

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.

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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.

Head Office : Building No.15 , Qasimlu Street 40, Shahidan Zargata Quarter 24, Zone 1, Sulaymaniyah 46001, Iraq

Factory : Tanjaro Industrial Area – Sulaymaniyah – Iraq