

RUSTY EPOCERAMIC – EPP-YTS LINE

DESCRIPTION : It is epoxy resin based two-component primer and mid-level paint. It has a reactive drying feature. It creates a solid and rust preventive layer. Because of its cross linking effect, it forms very strong coating. Creating a good adhesion on surfaces that aren't properly cleaned is its most important characteristic. It has a high level of solids.

AREAS OF USE : It is used as an anti-corrosive undercoat and mid-level paint on steel and other surfaces, tank coatings, and exterior surfaces due to its strong protective feature. It is also used on surfaces where the rust cannot be properly cleaned as a surface tolerant undercoat.

SOLVENT : Solvent – Epoxy thinner

APPEARANCE : Semi-Matt

COLORS : White, gray

PACKAGE : 20 kg 1.component and 5 kg 2.component

DENSITY : 1,50 Kg/L (as a mixture)

SOLIDS : by volume: % 69 ± 1

V.O.C : 289 g/lit (ASTM D 3960-05)

STORAGE : The product should be stored in a cool and dry location; the package covers should always be closed. Best kept over 5 degrees. No smoking inside storage room. Do not approach with fire. If a leakage is detected, then it should be cleaned with a proper absorbent.

PREPARING THE PAINT : Mix well before use. Each component should be mixed separately and when combined mixed together for 5 more minutes. Open packages should not be used and supplier should be consulted. Due to the two-component nature of the product, it is utmost important that the mixture is made as per stated amounts. Any different mixture will contradict all theoretical estimations.

PREPARING THE MIXTURE: 1.component is the paint and 2. component is the hardener. The paint and the hardener should be mixed as **4:1 by weight (2.5:1 by volume)**. For example, over 4 kg. of 1st component, 1 kg of 2nd component should be added. The amounts should be precise, any variation should be avoided. The mixture should have the fluidity for being used with epoxy thinner. The mixture should be used within 4-5 hours (20 °C) after preparation. Otherwise, the mixture will become jelly-like and unusable. When the two components are mixed, a drying reaction will begin. Thus, the produced amount should be equivalent to the amount to be used.

PREPARING THE SURFACE: The surface should be cleaned from dirt and grease. This product has a high performance on surfaces that are not properly cleaned. Still, the surface should be cleaned from solid particles and layers. If possible, abrasion should be made. The recommended sandblasting value is St21/2. If cleaned by hand, St 2 is the best value.

APPLICATION TEMPERATURE: The air and surface temperature should be between +5 and +30 degrees Celsius. Relative humidity rate is as important as the temperature. Surface temperature should be at least 3 °C more than dew point temperature.

APPLICATION METHOD : with airless, air gun or brush

APPLICATION : The application can start after the surface is prepared for painting and the paint is mixed as described. . During application the equipment is as important as the paint. Airless systems are recommended. It is utmost important that the mixture is made as per stated amounts and the temperature should be at least over 5°C during application. One coat can be applied on top of the other. After first coat application, it is recommended to wait for 8 hours before applying the second coat. Waiting period between coat applications may vary according to weather conditions. The paint should be thinned down with epoxy thinner. With airless gun applications, the nozzle diameter should be 0,021 inches, the pressure should be 150 bar/2100 psi and 5-10% should be added. With conventional guns the thinner percentage should be 10-15% and with brush it should be 5%. The percentages should be measured during application with a proper device. 145 micron wet film thickness is equivalent to 100 micron dry film thickness.

DRYING TIME : Considering 20⁰ C and 65% of relative humidity rate,

Non- dust holding Drying	Dry to Handle	Assembly Drying	Mechanical Drying
Approximately 1-2 hours	Approximately 4-7 hours	Approximately 24 hours	Approximately 4 days
If oven-dried 30 minutes in 80°C would suffice.			

COVERAGE : Depending on the surface, with 1 lt paint 8.6 m2 area can be painted (calculations based on 80 micron dry film thickness).

STORAGE LIFE : If kept in its original package and in a room temperature of 4-50°C, storage life starting from its production date is 1 year.

SAFETY WARNINGS : Keep out of reach of children. Store in a cool place, best between 10 - 25 °C. Upon contact with eyes, wash with water and consult a doctor. If swallowed, immediately consult a doctor.

DANGER WARNINGS : Injurious to health when swallowed.
Avoid inhaling vapor and mist of epoxy based materials or any contact with eyes and skin.