

CERAMIC BINDPRIMER – EPP-SHP LINE

- DESCRIPTION** : The product is an epoxy based primer which contains anti-corrosive zinc phosphate pigments, dries quickly, applied after blasting/sanding and has a high adhesive force. The ceramic particles it contains cause a much higher corrosion resistance and adhesion. It causes a strong adhesion between the surface and the system to be applied on it.
- AREAS OF USE** : The product is used during manufacture of scraped steel plates and sheets as an primer for anti-corrosion. Due to its strong resistance it is also used as an primer for sheets during welding. Also, because of its great adhesive force, it is used on aluminum and galvanized surfaces for improving paint adherence. The product is used as an undercoat for improving adhesion force of the surface.
- SOLVENT** : Solvent – Epoxy thinner
- APPEARANCE** : Matt
- COLORS** : Gray and Red
- DENSITY** : 1,15 kg/lit (as a mixture)
- SOLIDS** : by volume % 32 ± 1
- V.O.C.** : 230 g/lit (ASTM D 3960 – 05)
- SUGGESTED THICKNESS:** 25μ
- PACKAGE** : 20 kg 1. Component and 5 kg 2. component
- STORAGE** : Flammable liquid regulations should be followed. The product should be stored in a cool and dry location. No smoking in the storage area. If a leakage is detected, then it should be cleaned with a proper absorbent (such as soil).
- PREPARING THE PAINT :** **The product should be mixed well before use. Different components should be mixed separately and mixed together for 5 minutes after combining.** Open packages should not be used and the supplier should be contacted. Due to the two-component nature of the paint, 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 ratio in terms of weight**. For example, 1 kg of 2nd component should be added over 4.kg of 1st component. 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 4-8 hours after preparation. Otherwise, the mixture will become 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 dry and cleaned from rust, grease and other unspecified layers. In order to clean the surface from dirt, dust, salt and mud, use fresh water with high pressure. Proposed abrasive rasp degree is generally Sa^{1/2}. If the conditions in the location would not allow you to work with this degree, you may carry out the cleaning on St2 degree as well.

APPLICATION TEMPERATURE: In order to avoid the humidity to condense on the surface, the surface temperature should be at least 3°C more than the dew point temperature. The temperature should be at least over 10°C during application.

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. It is utmost important that the mixture is made as per stated amounts and the temperature should be at least over 10°C during application. One coat can be applied on top of the other. During wet coat applications, there should be a 1 hour (20°C) break between the two applications. The waiting period between coat applications may change according to weather temperature in the application area.

DRYING TIME : Considering 20⁰ C and 65% relative humidity rate and if the dry film thickness is 25µ:

Non- dust holding Drying	Dry to Handle	Assembly Drying	Mechanical Drying
Approximately 5-10 minutes	Approximately 2-4 hours	Approximately 24 hours	Approximately 7 days

PAINTED AREA : Theoretically the painted area is 12,8 m2/lt – with 25µ dry film thickness and in room temperature.

SAFETY WARNINGS : Do not inhale; avoid contacting it with skin and eyes. Apply in a well ventilated location. Be cautious for fire.