

## **SEMBOL SOLVENT BASED (CORROGUARD) ZINC RICH EPOXY TOP COAT PAINT**

**DEFINITION:** It is an epoxy resin based, two component, zinc reinforced, solvent containing, glossy topcoat paint.

**QUALITIES:** It adheres well to all types of metal and concrete surfaces, has high resistance to friction, high chemical and mechanical resistance, and forms a hard film. The film surface is glossy and slippery. It is easy to clean, does not contain bacteria, does not dust and harm health. It is resistant to dilute acids, diluted and concentrated alkalis, cleaning detergents and disinfectants, vegetable, mineral and animal oils, sea water, diesel oil, gasoline, alcohol and many more solvents.

**APPLICATION AREA:** In order to protect concrete, cement, plaster and metal surfaces from atmospheric, chemical and mechanical factors, it is applied as topcoat paint after anticorrosive primers on refineries, petrochemical and other industrial establishments, wastewater, pharmaceutical and food industries, hospitals, all surfaces of boats and ships.

### **SURFACE PREPARATION AND APPLICATION**

**Metal Surfaces:** Oil, dirt, rust, rolling peel, or old paint residue on metallic surfaces (such as iron or steel) should be removed by mechanical ways or by sandblasting until bright metal is obtained. Sand blasting is recommended for surface cleaning. The surface should be primed with Epoxy Primer (for Metals) within maximum 4 hours following this process. Painting the prepared surfaces should never be left to the next day. If the application must be postponed, the surface must be sandblasted and cleaned again before priming.

**Concrete and Cement Surfaces:** New concrete and cement plasters must be cured for at least 21 days. After the mortar residue etc. on the cured surface is removed by light sanding or brushing, Sembol Epoxy Primer (for Concrete) is applied. Loose particles such as paint, dirt, dust on old concrete and cement plaster surfaces are removed by sandblasting, scraping or brushing. Oil and grease residues are cleaned with detergent water, and if neutralization is required, the surface is wiped with 3-4% hydrochloric acid or acetic solution and washed with water. Care should be taken to ensure that the floor is completely dry before priming.

**APPLICATION:** A Component and B Component are mixed for 3 minutes with the help of a mixer so that they are homogeneous. After the mixture is rested for 5-10 minutes, application is started. The mixture in the box should be applied in a short time. Otherwise, the mixture will freeze. Therefore, it is necessary to do the mixture little by little. It can be applied by brush, roller and spraying. When applied by spraying, epoxy thinner is used for thinning. The thinned paint is applied in 2-3 layers with spray in the form of wet on wet. The environment should be thoroughly ventilated during the indoor paint applications.

**THINNER:** Epoxy thinner

#### **THINNING RATE**

In application with roller and brush: Thinned 15-20%.

In application with spray gun: Thinned 20-25%.

**FORM OF APPLICATION :** It is applied with short bristle brush, short haired roller or airless paint spray.

**POT LIFE :** (Mixture life) 3-4 hours at 20 °C. As the ambient temperature increases, the time becomes shorter.

**DRYING TIME :** Surface drying time is 2-4 hours, Full Drying time is 16-24 hours, Full Curing time is 7 days

**TIME BETWEEN LAYERS :** Minimum 24 hours

**COVERAGE:** 0,200-0,250 Kg./m<sup>2</sup> in one layer

**STORAGE:** It is one (1) year in its unopened package under suitable storage conditions.

**PACKAGING:** 18+4=22 Kg. Fixed

**Safety Warnings:**

S2 Keep out of the reach of children.

S7 / 9 Keep container tightly closed and in a well-ventilated place.

S16 Keep away from sources of ignition. - No smoking.

S23 Do not breathe vapor.

S24 / 25 Avoid contact with eyes and skin.

S29 Do not empty into drains.

S37 / 39 Wear suitable gloves, safety glasses and mask.

S46 If swallowed, seek medical advice immediately and show this container or label.

S51 Use only in well-ventilated areas.

**Risk Warnings:**

R10 Flammable.

R20 Harmful by inhalation.

R38 Irritating to skin.

R48 Danger of serious damage to health under prolonged exposure.

R65 Harmful: May cause lung damage if swallowed

R67 Vapors can cause drowsiness and dizziness.

**Hazardous Warnings:**

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 Causes allergic skin reactions.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H330 May be fatal if inhaled.

H332 Harmful by inhalation.

H400 Very toxic in the aquatic environment.

H410 Long lasting, very toxic effect in the aquatic environment.

H411 Long lasting, toxic effect in the aquatic environment.

H412 Long lasting, harmful effect in aquatic environment.

H225 Easily flammable liquid and vapor.

H226 Flammable liquid and vapor.

**Precautinery Warnings:**

P210 Keep away from heat / sparks / flames / hot surfaces. - No smoking.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

P303 + P361 + P353 If in contact with skin (or hair): Immediately remove / remove all contaminated clothing. Rinse your skin with water / shower.

P308 + P313 Get medical attention / care if exposed or interacted.

P370 + P378 In case of fire: Use foam, carbon dioxide, dry powder or water for extinction.

P403 + P235 Store in a well-ventilated place. Keep it cold.

P501 Dispose of contents / container according to national regulations.