

## **SEMBOL SOLVENT BASED EPOXY PRIMER PAINT**

**DEFINITION:** It is an epoxy resin based, two component solvent containing primer.

**QUALITIES:** It is a two-component epoxy resin based primer that adheres well to all types of metal, wood and concrete surfaces, has high performance in terms of chemical and physical resistance and anticorrosive properties. When coated with suitable topcoats, it is resistant to dilute acids, diluted and concentrated alkalis, detergents, vegetable, mineral and animal oils, sea water, diesel oil, gasoline and many more solvents.

**APPLICATION AREA:** In order to protect metal surfaces from atmospheric, chemical and mechanical factors; It is used in refineries, petrochemicals and other industrial establishments. Used in beverage storage tanks, wastewater, beer and malt industry facilities, medicine and food industries and hospitals. As a marine group, it is used as a matt intermediate layer before the last layer in order to form an adherence bridge after anticorrosive primers on all surfaces of boats and ships. It is used as primer on all aluminum sheet surfaces.

**SURFACE PREPARATION AND APPLICATION:** 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. The first layer of primer should be applied in preference to immediately, at the latest within 4 hours after sandblasting. 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. Sembol Epoxy Primer Paint is a two component primer, therefore; after the first component is mixed thoroughly, the second component is added at the recommended rate. The duration of use after preparation of the mixture is 3-4 hours at 20 ° C. For applications, recommended thinner should be used. Priming is started by applying bolt heads, weld seams and sharp edges with the prepared primer, then the whole surface is primed and the process is completed. In more than one coat application, light sanding should be done when at least 8 hours pass between coats. Sembol Epoxy Topcoat Paint or Sembol Solvent Free Epoxy Paint can be applied on it as a top coat.

**Thinner:** Epoxy thinner

### **Thinning Rate**

In application with roller and brush: Thinned 10%.

In application with spray gun: Thinned 20%.

**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 24 hours, Full Curing time is 7 days

**Time Between Layers:** Minimum 8 hours, Maximum 24 hours

**Coverage :** Depending on the suction of the surface, 0,150-0,200 Kg./m<sup>2</sup> in one layer.

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

**PACKAGING:** 16+4=20 Kg. Fixed – 2,4+0,600=3 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.

**Precautinary 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.