

ZINC ETHYL SILICATE Paint | **SP- 60**

Ethyl silicate paints are a two-component product. These paints also use special resins that create high temperature resistance. The heat resistance in this category of colors reaches up to 400 degrees Celsius, but the distinguishing feature of this type of colors compared to silicone colors is the use of zinc powder, which increases the resistance to final coating corrosion. Ethyl silicate colors have high opacity and require a certain amount of moisture in the surrounding environment to complete their chemical reactions during the hardening process. A relative humidity of 60 to 70 percent is usually recommended.



Physical And Chemical Specs

Volume percentage of solids	62 ± 2%
Hue	Grey
Physical Form	Thick Liquid
Density	2.75±0.1gr/cm ³
Glossiness	Matte
Paint Coverage	18.5 m ² /Lit
Surface Drying Time	10-20 min
Full Drying Time	5 Days
Deep Drying Time	2-4 hours
Mix Percentage with Thinner	5 - 20 %
Impermeability	100 %
Application Temp	10-40 C

Packaging 28 KG

Specifications :

- Resistant to moisture and water
- Resistant to corrosion
- Resistant to heat and temperatures up to 400 degrees Celsius

Applications:

- Internal wall covering of the chimney
Covering for various pipes and tanks
Covering for equipment in chemical factories
Internal lining for various furnaces, boilers, and flues
Suitable for use as a covering in refineries and power plants
The main application of these coverings is in surfaces that are in continuous contact with a high-temperature heat source.

How to use:

Surface preparation: The desired surface must be cleaned from any kind of contamination such as dust, oil, grease, etc., and the surface should be blasted to a clean standard. The required profile for applying this primer is 25-50 microns.

Application method: To apply this color, you can use airless spray devices: Airless spray / pressure 7-6 atmospheres / nozzle orifice 0.914 - 0.457 millimeters.

Usage method: Except for powder (b), it should be kept away from moisture. The mixing ratio must be observed. Pour the solution (a) into a suitable container and gradually add the powder while mixing until a completely uniform and suitable solution is obtained. During the application of the paint, it is necessary for the powder and solution mixture to continuously and evenly touch. The speed of hand movement, the distance from the nozzle to the surface of the workpiece, and the pressure of the spray are essential. Failure to observe these points may result in a rough surface, and in more severe cases, the powder may become unstable on the surface of the workpiece and eventually separate. The drying time of the paint should be observed. Finally, all paint paths should be cleaned with ethyl silicate cleaning thinner.

● Packaging

Zinc Ethyl Silicate Paint is produced and supplied in 28-kilogram buckets.

● Storage

The suitable temperature for storing the Zinc Ethyl Silicate Paint product is in 4 - 50 degrees Celsius. The useful life of this product is 12 months, provided that it is stored in a main container, away from moisture, freezing, extreme heat, and direct sunlight.

● Safety

It is recommended to avoid continuous inhalation of the vapors of this solvent in enclosed spaces and, if possible, use appropriate safety equipment. In case of contact with the skin or eyes, wash thoroughly with water. This color is flammable and should be kept away from heat, sparks, and open flames.

! The suitable temperature for painting should be between 10-40 degrees Celsius. The surface temperature during painting should be at least 3 degrees Celsius above the dew point to prevent moisture accumulation, and the humidity should be maximum 80% at the surface. The working area should be free from ice and moisture.

SP-60
ZINC ETHYL
Silicate

CERTIFICATES

ISO 9001 : 2015
ISO 45001 : 2018
ISO 10002 : 2018
ISO 10668 : 2010
ISO 10004 : 2018
ISO 14001 : 2015
CE CERTIFICATE
IMS CERTIFICATE
HSE - MS CERTIFICATE

