

## Product Description

EC-500 is a protective coating material for OCTG. It also can be used for protection of steel structure, which has excellent anti-rust performance and aging resistance. Coating film looks smooth, bright and has good decorative function. EC-500 has a good anti sagging property and short dry time. EC-500 does not contain benzene, halohydrocarbon and heavy metal elements, safe, easy to apply and also economic. EC-500 can be coated by brush, dipping and spraying. Protection period of EC-500 is up to 12 months.

## Recommended Uses

Material is used as a protective coating for oil pipelines, as well as steel stripe, steel structures.

## Product Information

Color	Transparent yellow, transparent black and black
Solid content	30%–38%
Viscosity, cup-4	≥ 15s
Density, g/cm <sup>3</sup>	0.9–1.05
Flash point	30°C ( 86°F )

## Film Thickness and Spreading Rate

	Minimum	Maximum	Typical
Dry Film Thickness, μm	25	35	30
Wet Film Thickness, μm	75	120	100
Theoretical Spreading Rate, m <sup>2</sup> /L	12.5	8.5	10.0

## Drying Information

	10°C ( 50°F )	23°C ( 73°F )	40°C ( 104°F )
Substrate Temperature			
Touch Dry	10 min	8 min	5 min
Through Dry	30 h	24 h	20 h

## Surface Treatment

All surfaces should be clean, dry and free from contamination. The surface should be assessed and treated in accordance with Sa1.0 or St2.

## Application

Application Condition	The temperature of the substrate should be minimum 5°C ( 41°F ) and at least 3°C ( 37°F ) above the dew point of the air. Good ventilation is required in confined areas to ensure proper drying. During application and the initial drying of the coating, the coating should not be exposed to high humidity as this can result in loss of gloss.
Thinner	EC-500 thinner
Application Method	Spray: Use airless spray or conventional spray Brush: Recommended for previously coated and small areas, care must be taken to achieve the specified dry film thickness. Curtain Coating: Care must be taken to achieve the specified dry film thickness.
Note	Dry Film Thickness: For the best protective effect dry film thickness should be 25 microns greater than corrosion layer, dust or other impurities. Filter: Check to ensure that filters are clean. Viscosity control: During application the material gradually increases viscosity, so diluents should be added in time.

## Unit Size

200 liter unit: 170Kg coating in 200 liters container.

## Storage

Store in dry, shaded conditions away from sources of heat and ignition. Environment temperature should be no more than 33°C (91°F).

Shelf life is 12 months from time of production under 25°C ( 77°F ) .

## Health And Safety

Prior to use, obtain, consult and follow the Material Safety Data Sheet for this product concerning health and safety information, and apply and use the coating according to the national state of health and safety as well as environmental protection standards and regulations.

## Note

The information in this data sheet is not intended to be exhaustive, for your reference only. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development. Please contact us and request the latest version prior to using the product.