

# Indokote ZES 85

## Inorganic Zinc Rich Ethyl Silicate Coating

### Description

ZES 85 is 2K moisture curing inorganic zinc ethyl silicate coating. It is a fast curing, very high zinc dust containing product. It provides heat resistant up to 540 °C in full system and continuous temperature up to 400 °C as standalone coating. It is suitable for properly prepared carbon steel substrates only.

### Recommended Use

ZES 85 is recommended for structural steel and piping to be exposed to highly corrosive environments, C5I or C5M (ISO 12944-2). Suitable for offshore environments, refineries, power plants, bridges, buildings and mining equipment and provides extended durability.

### Physical Data

Colour	: Grey
Finish	: Matt
Soild by Volume	: 67 ± 3%
Therotical Coverage Rate	: 8.0 sq.mt / lit at recommended DFT of 75µ
Drying Characteristics (at 30°C and 75µ)	: Surface Dry: Max 15 Mins Touch Dry (to Handle): Max 3 Hours. Hard Dry: 24 Hours
Shelf Life	: 6 months for Base and 24 Months for Zinc Dust
Supply Weight (Kg/ Ltr)	: 2.50±0.05
Flash Point	: 14° C
Dry Heat Resistance	: Continuous : 400°C & Intermittent Peak : 540°C

### Surface Preparation

All surfaces to be coated should be clean, absolutely dry and oil or moisture free before painting application. Oil and grease should be removed by solvent cleaning.

**Abrasive blast clean** to Sa2½ (ISO 8501-1:2007) or SSPC-SP6. If oxidation has occurred between blasting and ZES 60, the surface should be reblasted to the specified visual standard. A surface profile of **40-75** microns is recommended.

### Application Data

Application	: By Conventional Spray/ Airless Spray/ Brush (small parts only)
Recommended DFT	: 50-90µ in single coat
Mixing Ration	: 3.65 Part (Base) : 1 Part (Zinc Dust Powder) by volume
Pot Life	: Four Hours at 30°C
Thinner and Cleaner	: Indokote (IK.1505) should not be used more than 5%
Overcoating Interval	: Minimum 4 Hours

### Application Method

The Zinc Dust (Part B) should be slowly added to the liquid Binder (Part A) whilst stirring with a mechanical agitator. Material should be filtered through 60 mesh prior to application and should be constantly agitated in the pot during spraying and should be used within potlife of mixture.

### Limitation of Liability

This information is given to the best of our knowledge. Because of the multitude of formulations, production, and application conditions, all the above-mentioned statements have to be adjusted to the circumstances of the processor. No liabilities can be derived from this fact for individual cases. This issue replaces all previous versions – Printed in India.

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