

Indokote ZES 80

Inorganic Zinc Rich Ethyl Silicate Coating

Description

ZES 80 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 and continuous temperature up to 400 °C. It is suitable for properly prepared carbon steel substrates only.

Recommended Use

ZES 80 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	: 9.0 sq.mt / lit at recommended DFT of 75µ
Drying Characteristics (at 30°C and 75µ)	: Surface Dry: Max 20 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)	: 2.40±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	: 4 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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