Technical Data Sheet

Galvany 760

Inorganic Zinc Ethyl Silicate Primer

Product Description

Galvany 760 is a fast drying inorganic zinc pigmented solvent based primer. It forms a zinc ethyl silicate layer to provide good long term corrosion protection.

Recommended Use

Primer coat for new steel substrates in highly corrosive environments including piping, offshore platforms, refineries and structural steel.

Product Information

Binder	:	Zinc Ethyl Silicate
No. of Components	:	2
Solids (% by Volume)	:	61 ± 2 %
Flash Point	:	12°C (when mixed)
Colour	:	Grey
Finish	:	Matt

Application Information

Substrate	:	Steel
Recommended No. of Coats	:	1
Recommended Wet Film Thickness	:	80 to 125 µm / Coat
Recommended Dry Film Thickness	:	50 to 75 µm / Coat
Theoretical Spreading Rate	:	8 to 12 m^2 / L / Coat
Specific Gravity	:	Approx. 2.15

Application Methods

Applied By : Brush / Roller / Spray / Airless Spray

* Brush and Roller recommended for stripe coating and small areas only
* Airless Spray Recommended Tip Size: 0.43 - 0.58 mm (17 - 23 thou)
* Airless Spray Recommended Pressure: 110 - 160 kg/cm2 (1600 - 2300 psi)

Thinner : Thinner 11 (5% maximum addition)

Clean Up : Cleaner 12

Packaging & Storage

Packaging	:	4 Litres Part A : 6 kg Part B
Shelf Life	:	Part A 9 months - Unopened
		Part B 24 months - Unopened
Storage	:	Cool, dry and well ventilated area away from heat and direct sun light. Lid must be kept tightly closed.

Disclaimer : The above information is given to the best of our knowledge based on laboratory testing and practical experiences. The information in this data sheet may be subject to changes from time to time and without notice due to production refinements arising from continuing research and evaluation programmes, which may occasionally result in marginal changes in the coating properties.

Curing Time

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Minimum	Maximum	
15 °C	20 mins	2 hours	24 hours	Indefinite	12 hours
25 °C	15 mins	1 hours	16 hours	Indefinite	6 hours
35 °C	10 mins	30 mins	8 hours	Indefinite	3 hours

*The properties above may vary with surface temperature, site environment, film thickness, etc.

Typical Painting System

System	Product	No. of Coats
Primer	Galvany 760	1
Intermediate	Recommended KCC epoxy intermediate coat	1
Finish	Recommended KCC epoxy or polyurethane finish	1
Repair Coat	Touch up using either Galvany 760, Galvany 800 or K'Mastic 5000	1

Surface Preparation

All surface to be coated should be clean, dry and free from contamination as in accordance to ISO 8504. Oil and greasre must be removed by solvent cleaning as in accordace to SSPC - SP1.
Surface preparation must be done via abrasive blast cleaning to a cleanliness standard of Sa 2 ½ (ISO 8501:1 - 1:2007) or SSPC - SP6. A surface profile of 40 to 75 microns is recommended.
If oxidation has occured between the blasting time and application of Galvany 760, the surface should be reblasted to the specified visual standard.

Preapplication Conditions

1) The surface temperature should be 3°C above the dew point and should not exceed 50°C.
2) The relative humidity should be between 60% and 85%.
3) Paint application shall not commence when there is a likelihood of an unfavourable change in weather condition within 2 hours after painting.
4) The Zinc Powder (Part B) should be added to the Base (Part A) slowly while stirring with a mechanical agitator. Ensure all components are mixed together in a uniform and homogenous manner before application.

Product Limitations

Excessive thickness or over applications of Galvany 760 can lead to mud cracking which will require complete removal of the affected areas via abrasive blasting.
Maximum film build in a single coat is best achieved by airless spray. For brush and roller applications, multiple coats will be requried to achieve the required DFT.

Safety Precaution

This product is flammable and must be kept away from any source of ignition. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately. Keep out of reach of children.

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