CARMEL B.K. ENG LTD

TEL- 972-4-8620740

FAX – 972-4-8245467

DATA SHEET

01/08/08 up date 18/10/18

Opti-epoxy

DESCRIPTION: universal 2-pack Zincphospate epoxy Polyamid primer, free from lead and chromate, for steel, galvanized steel, aluminum,Glass, FRP and mineralic substrates.

MAIN CHARACTERISTICS:
-Epoxy primer without chrome and lead anti-rust base.
-Excellent resistance in industrial or coastal environments.
-A primer for sanded steel, or carefully prepared steel.
-For industrial surface to protect against chemical damage and marine environments.
-Excellent adhesion to a wide range of substrates such as metals nonferrous metals, glass, tin.
-Can be over coated after a long period with either one or two Component finishes
- RoHS standard

COLOUR AND GLOSS: RAL 7035 grey, 53022, gray, white, black and other color semi-gloss

TECHNICAL DATA:

-Mass density: Kg/l approx. 1.64
-Solids content: by volume: 72%
-Recommended dry
3 days at RT or 80°C for 1 hr - for recommended thickness: 6.6 m2/l at 50 µc
- Pot life 20°c 6-10 h max.
-Drying: dust dry = 20' - 30'
-Touch dry = 1 h
-Dry through = 12 - 15 hrs
-Over coating interval: Min 24 Hour
Max unlimited (sending is recommended)
-Shelf life (5º-45º c): approx. 24 months
-Heat resistance: 80° - 90°C

SUBSTRATE –
-Steel: recommended pre-treatment up to grade ISO Sa 2.1/2
-Galvanized steel: cleaning from oils, salts and various other Contaminating substances a slight sanding is recommended.
-the temperature of the base must be above 5°C during the application and polymerization, and 3°C above dew point

Instructions FOR USE:
-carefully mix base to hardener in the following ratio:

Base		Hardener (H-1130)	
3	-	1	**by volume**
4.8	-	1	**by weight**

-the temperature of the base and hardener mixture must be above 15°C, otherwise it may be necessary to add solvent in order to Obtain the required viscosity for application
-too much solvent may cause a reduction in the resistance and a slower polymerization
-the thinner must only be added after the components have been mixed

Pack 3 liter + 1 liter hardener.
15 liter + 5 liter hardener.

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AIRLESS SPRAY

Recommended thinner: 4-100
Thinner volume: 10 - 20%

AIR SPRAY
Recommended thinner: 4-100
Thinner volume: 30 - 50%

BRUSH:
Recommended thinner: 4-100
Thinner volume: 0 - 5%

NOTICE:
Our laboratories have checked the data mentioned in this technical data sheet; this data is based on our present knowledge and experience and is intended for use by personnel having suitable training to apply the product on suitable surfaces and under normal operating conditions. In view of the variations in conditions of use and equipment, no warranty is given or responsibility taken for the results obtained. Users should satisfy themselves of the suitability of the product for their purpose and for use on their own equipment.
However, Carmel Eng Research and Development Department is at your disposal for any further information about a correct use of the product.