

Product Data Sheet: Kadilux Zinc Phosphate Epoxy Primer

Two Components, Solvent based Anti-Corrosive epoxy primer

PRODUCT DESCRIPTION

- A two component epoxy primer containing inert and anticorrosive pigments.
- Resistant to exterior environment conditions with good mechanical properties.
- This material has been designed to protect steel structures from low to medium corrosive environments when applied as per manufacture's system recommendation.
- Can be applied upto 125 microns in a single coat.

DESIGNED USE

- As a chemically resistant primer for steel structure, processing equipment & pipe work etc.
- As an anticorrosive primer before or, after Intumescent coating.
- Can be used over existing epoxy systems with suitable surface preparation.

PHYSICAL DATA

VOLUME SOLIDS (Based on ASTM D2697)	55% ± 2%
TYPICAL DRY FILM THICKNESS	75 microns
WET FILM THICKNESS	137 microns (without dilution)
THEORETICAL COVERAGE	7.33 m ² /ltr. @ 75 microns DFT
COLOUR	Grey
FINISH	Matt to Semi gloss
PACK SIZE	16 ltr. (Base + Hardener)

APPLICATION DETAILS

METHOD OF APPLICATION:

APPLICATION

Airless Spray - This is the recommended method of application: Maximum 5% Thinner may be added. Tip Size: 0.48-0.53 mm (0.019-0.021 in) Pressure: 110-160 kg/cm² (1600-2300 psi).

Conventional Spray - This is also a suitable method of application. Maximum 20% Thinner may be added Tip Size: 1.80 mm - 2.20 mm (0.071-0.087 in) Pressure: 40-50 psi (2.75-3.45 kg/cm²).

Brush or, roller - May be used for difficult shapes or touch-up; however additional coats may be required to achieve the recommended film thickness. This method of application is recommended for stripe coating welds, edges, rivets etc.

DRYING TIME:

Ambient Temperature	Touch Dry	Hard Dry	Recoating Interval - Minimum	Recoating Interval - Maximum	Pot Life
25°C	8 Hrs	24 Hrs	24 Hrs	15 days	3 Hrs
35°C	6 Hrs	16 Hrs	16 Hrs	15 days	2 Hrs
45°C	4 Hrs	12 Hrs	12 Hrs	15 days	1 Hrs

NO. OF COMPONENTS Two

Mixing Ratio (By Volume) As per pack size

Application Conditions Do not apply this product if the Relative Humidity exceeds 85%.

ADDITIONAL INFORMATION

Thinner / Cleaning solvent	Kadisco Acrylic Thinner
Storage Instruction	Store in a cool shaded dry area
Flash Point	Mixed less than 30°C
Shelf Life	12 months

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SURFACE PREPARATION

For best results, the surface should be treated as follows prior to painting -

- Remove all wax, oil and grease by solvent cleaning in accordance with the guide lines given by SSPC-SPI.
- Where necessary remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface. Special care must be taken on weld areas to remove flux and spatter. Welds should be ground back to avoid pockets where corrosion can occur.
- Abrasive blast clean to a minimum standard of Sa 2 ½ Swedish Standard SIS 05 5900 or ISO 8501-1 : 1988
- Any surface defects revealed by blast cleaning should be ground, filled or treated in a suitable manner.
- An average surface profile of 50 microns is acceptable, but this average should not exceed 75 microns. After blasting, remove dust from the surface.
- The cleaned surface should be coated before it becomes contaminated/flash rusted.
- The product should be over coated with Kadisco Asian Paints range of 2 pack PU products.

MIXING

- A suitable power driven mixer/ stirrer is recommended for uniform mixing of the coating. Stir the base and hardener separately. Mix hardener gradually into the base under continuous stirring as per stated mixing ratio. Mix well for 5 – 6 minutes till the components become homogeneous. Apply before expiration of pot life.

PRODUCT USE RESTRICTIONS

- This product is designed as a primer. It should not remain more than 30 days without over coating. If directly exposed to sunlight and outdoor conditions this product will chalk as in case with all epoxy products.
- This product is not suitable for use in immersed/buried/near sea shore conditions.
- Dry heat resistant up to 80°C.
- May also be applied between 75 to 125 Microns DFT.
- Contact Kadisco Asian Paints Representative for suggesting suitable paint system.

SAFETY PRECAUTIONS

- Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use a barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapor or spray.
- This product is flammable. Keep away from sources of ignition. Do not smoke. Take precautionary measures against static discharge. In case of fire – blanket flames with foam, carbon dioxide or dry chemicals
- Refer to MSDS for further information.

FIRST AID

- Eyes: In the event of accidental splashes, flush eyes with water immediately and obtain medical advice
- Skin: Wash skin thoroughly with soap and water or approved industrial cleaner.
- DO NOT USE solvent or thinners.
- Inhalation: Remove to fresh air, loosen collar and keep patient rested.
- Ingestion: In case of accidental ingestion, DO NOT INDUCE VOMITING.
Obtain immediate medical attention

DISCLAIMER

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.