

ZINCANODE 685

High Solid Epoxy Zinc Rich Primer

PRODUCT DESCRIPTION

A High performance two pack epoxy zinc rich primer which provides superior corrosion protection to steel in aggressive environments.

- Can be used in underwater with suitable top coat.
- Provides Galvanized Protection.
- Complies with British standards BS 4652
- Meets performance requirements of BS 5493 APIB, DF, KPIB

DESIGNED USE

As a high quality anti-corrosion primer for Berger Protective Coatings Systems used in aggressive environments such as:

- Marine and Port Facilities
- Offshore Structures
- Petrochemical Plants
- Pipe works

PHYSICAL DATA

VOLUME SOLIDS (Based on ASTM D2697)	62 % $\pm$ 2 %
TYPICAL DRY FILM THICKNESS	75 microns
WET FILM THICKNESS	120 microns
THEORETICAL COVERAGE	8.27 m ² /litre @ 75 microns DFT
COLOUR	Metallic Grey
FINISH	Matt

APPLICATION DETAILS

METHOD OF APPLICATION:					
AIRLESS SPRAY			This is the recommended method of application: Maximum 5% Thinner may be added. Tip Size: 0.43 - 0.53 mm (0.017 - 0.021 in) Pressure: 130 - 180 kg/cm ² (1850 – 2550 psi)		
BRUSH OR ROLLER			May be used for difficult shapes or touch-up. However, additional coats may be required to achieve the recommended film thickness.		
DRYING TIME:					
Surface Temperature	Touch Dry	Hard Dry	Over coating Interval		Pot Life
			Minimum	Maximum	
15°C	20 minutes	6 hours	12 hours	Indefinite	4 hours
25°C	15 minutes	4.5 hours	9 hours	Indefinite	3 hours
35°C	10 minutes	3 hours	6 hours	Indefinite	2 hours
NO. OF COMPONENTS			Two		
Mixing Ratio			3 parts Base to 1 part Hardener (by volume)		
Application Conditions			Do not apply this product if the Relative Humidity exceeds 85% or if the substrate temperature is within 3°C of the dew point		

ADDITIONAL INFORMATION

Thinner / Cleaning solvent	Solvalux 7-45
Storage Instruction	Store in a cool shaded dry area
Flash Point	Mixed 20°C
Packaging	10 liters
Shelf Life	6 months from the date of manufacture.

SURFACE PREPARATION

For best results, the surface should be treated as follows prior to priming.

- Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SPI.
- Where necessary remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface.
- Abrasive blast clean to a minimum standard of Sa 2 ½ Swedish Standard SIS 05 59 00 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.
- 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. The cleaned surface should be coated before it becomes contaminated.
- The surface to be coated must also be clean and dry. If this product is to be over coated then the surface must be free from all zinc salts. This can be achieved by fresh water wash and scrubbing.

PRODUCT USE RESTRICTIONS

- Not recommended for immersion service in acid or alkaline conditions unless suitably top coated.
- Dry heat resistance up to 150°C.
- May also be applied between 50 and 75 microns DFT.
- As common with all Epoxy products, this product also will tend to discolour and chalk on exposure to direct sunlight.

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.