

FIBZINC PRIMER

Anti-Corrosion Primer

Product # 114.124

Version no: 16.11.23

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PRODUCT DESCRIPTION: FIBZINC PRIMER is a two component, cold cure epoxy resin/metallic zinc blend system designed for use on reinforcing steel to protect it from continuous corrosion in exposed or high chloride contamination environments. It is recommended for application on blast-cleaned metal surface to impart cathodic protection to the base metal and providing much greater measure of surface protection than conventional primer.

AREAS OF APPLICATION

- Beams and columns
- Parking decks
- Bridge decks
- Loading docks
- Pavements
- Suspended slabs
- Metal structure in corrosive environment

ADVANTAGE

- Excellent long term protection of reinforcing steel.
- Easy to use and apply at the job site.
- Can be used in conjunction with epoxy topcoats.
- Long pot life for optimum working time.

APPLICATION

SURFACE PREPARATION

The surface should be clean, dry and free from rust and millscale. Blast cleaning is recommended where slightly corrosive conditions exist. Millscale should be removed for optimum performance. Hand or mechanical cleaning is not very effective.

PRIMING

Blast cleaned surface should be primed within 4 hrs of blasting. Steel may be primed before or after fabrication. If primed before fabrication, apply primer in lower thickness, DFT not more than 50 microns and then again prime as per specification after fabrication to touch up welds, burnt and cut edges.

MIXING

Mixing is carried out in a specially designed drum mixer or in a bucket with the help of drill mixer fitted with paddle. Mix FIBZINC PRIMER component A & B thoroughly with the help of mixer/drill mixer till a homogeneous mix is obtained.

APPLYING AND LAYING

The mixed material should be applied to the prepared surface using brush. Ensure mix material is spread evenly. Do not re-roll later. The work area should be protected during the installation process and during the initial curing time to ensure that no airborne debris can contaminate the surface of the wet resin as this will lead to unwanted blemishes in the hardened, cured surface.

OVER COATING

Zinc rich primer may be over coated with conventional paints or two-pack epoxy paints. Over-coating can be done after 6 - 8 hrs; however,

CLEAN UP

- Clean all tools immediately after use with Fibrex Paint Remover. Do not allow material to harden.

TECHNICAL SPECIFICATIONS

Appearance	
A Part	Grey epoxy resin, liquid
B Part	Brown epoxy hardner, liquid
Mix(A+B)	Grey Liquid
Mixing ratio(A+B)	4:1(by weight)
Specific Gravity	
A Part	2.02±0.02
B Part	0.93±0.02
Mix A+B	1.32±0.02
Viscosity(B4 Cup)	12 sec
Pot Life(at 30°c)	65 mins
Total Zinc in Dry Film	65% min
Type	Cold cured (chemically cured)
Drying time	
Surface dry	1-1.5 hrs
Application	Brush, Conventional or Airless Spray
Coverage	1kg/6-8m ² /35 micron or Depend on surface porosity
Finish	Matt
Toxicity	Non-toxic
Compatibility	Compatible with chlorinated paints, epoxy paints etc

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

PACKAGING

FIBZINC PRIMER (A+B : 13 KG PACK)

Supply

2 Packs Set : 26 KG (A Part : 2 Nos, B Part : 2 Nos)

STORAGE

Store the material at temperatures between + 10° C and + 35° C in originally sealed packages, the material can be stored for twelve months. But before opening the drums, be assured that the temperature of the materials has the ambient temperature to avoid condensation. Open containers of material should be used quickly to avoid moisture contamination. If a container needs to be resealed, it should be blanketed with nitrogen to minimize water exposure.

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LIMITATIONS

- Do not apply FIBZINC PRIMER on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75 %.
- Do not apply FIBZINC PRIMER on asphalt, weak or infirm concrete, unmodified sand / cement screeds, PVC tiles or sheets, or substrates known to move substantially.

Please contact FIBREX for installation of floor coating over

- Oil / Fat rigged floors
- Floors with moisture content over 4 %
- Floors with rising moisture problem
- Asphalt based floor (interior)
- Floors with a pull off strength less than 1.5 N / mm.

PRECAUTIONS

During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and using, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to resin-based materials. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

DISPOSAL / SPILLAGE

Spillage of the product should be absorbed onto sand or other inert material and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

HEALTH AND SAFETY

This material is intended to be used by trained professionals with proper equipment's. The following safety measures are recommended:

- Wear protective gloves, clothing, goggles, hearing protection for noise reduction and hard hats for falling debris.
- Do not eat, drink or smoke while in active contact with these materials.
- Avoid skin contact.
- Wash hands thoroughly with soap and cool water.
- Never wash the skin with a solvent.
- Anyone experiencing difficulty breathing when working with these materials or showing an allergic reaction should seek fresh air immediately and consult a physician if symptoms persist.

DISCLAIMER

Fibrex Construction Chemicals products though are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Fibrex Construction Chemicals wishes to clarify that any advice, recommendation, specification or information is accurate and correct, though it cannot, at any time assume any liability either directly or indirectly arising from the use of its products. This is because it has no direct or constant control over where or how its products are applied, and whether or not in accordance with the advice specification, recommendation or information given by it.

FIBREX OTHER PRODUCTS – WE DO

