

PRODUCT DESCRIPTION: FIBPOXY MIO is a two component polyamide cured epoxy based micaceous iron oxide pigmented intermediate coat.

AREAS OF APPLICATION

Suitable for protection of steel structures in aggressive coastal & industrial atmosphere. Applications include:

- Ship Loaders
- Hopper Conveyors
- Silos
- Storage Tanks
- Pipelines
- Structures In Fertilizer Plants
- Refineries
- Petrochemicals
- Chemical Plants
- Engineering Industries, etc.

ADVANTAGE

- Excellent adhesion
- Hygienic smooth surface
- Excellent chemical resistance
- Tough, abrasion resistant film
- Coating with high mechanical resistance
- Equally effective on concrete and metal substrates
- High content of micaceous iron oxide offers dense and highly resistant layers

APPLICATION METHODOLOGY

New Steel:

Blast clean to a minimum surface profile not exceeding 65 microns.

Old Steel (Maintenance) :

If blasting is not practical use mechanical tools along with Manual chipping and wire brushing to remove loose rust. Excessive burnishing of steel is to be avoided. Thoroughly dust down the surfaces. Remove grease, oil and other contaminants Preferably by using Fibrex paint remover. Best results can be achieved if the cleaned surface is primed with Fibzinc primer before coating with intermediate coat of FIBPOXY MIO. The surface should be cleaned and dried before application of FIBPOXY MIO.

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 FIBPOXY MIO component A & B thoroughly with the help of mixer/drill mixer till a homogeneous mix is obtained.

APPLICATION

The mixed material should be applied to the prepared surface using brush. Ensure mix material is spread evenly. Do not re-brush 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.

Topping Application :

For patching, spread with a trowel, come-a-long, or a square tipped shovel to a thickness that matches the surrounding concrete. Finish by hand trowelling.

On large floor areas, used screed strips as guides in combination with vibratory screeding to level. Compact and finish by hand or machine trowel.

Repair Application:

Structural repairs for columns & beams can be executed using polymer mortar. This is a dry pack method to build up the spelled areas of the cover zone of concrete and has high compressive and tensile strengths.

CURING

Proper curing procedures are important to ensure the durability and quality of the repair or overlayment. To prevent surface cracking, a moist cure should be maintained for 24 hours, upto 3 days.

CLEAN UP

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

TECHNICAL SPECIFICATIONS

Appearance	
Component A part	Orange to red liquid
Component B part	Clear to brown liquid
Mix (A+B)	Brown to red liquid
Density	
Component A part	1.64±0.02 g / cc
Component B part	0.98±0.02 g / cc
Mix(A+B)	1.02±0.02 g / cc
Mixing ratio(A:B)	10:1(By Weight)
Pot Life	4 - 6 hrs at 30°C
Recommended DFT	75 - 100 microns
Over coating interval	Min. - 24 hrs Max. - 7 days
Compatibility	Can be top coated with Epoxy, Polyurethane, C.R. Top coats
Finish	Matt
Theoretical Spreading Rate	8-9 m ² /kg At recommended DFT on smooth and non-absorbent surface
Flash Point	Above 40°C
Drying Characteristics	Dry to touch - 4 - 6 hrs , Dry to handle – Overnight, Fully cured - 7 days

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.

LIMITATIONS

- Do not apply FIBPOXY MIO on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75 %. Consult fibrex before using FIBPOXY MIO in those areas.
- Do not apply FIBPOXY MIO to asphalt, weak or infirm concrete, unmodified sand-cement screeds, PVC tiles or sheets, or substrates known to move substantially.
- Do not apply FIBPOXY MIO over treated expansion joints.

Please contact FIBREX for installation of floor coating over

- Oil / Fat rigged floors
- Floors with rising moisture problem
- Asphalt based floor (interior)
- Floors with a pull off strength less than 1.5 N / mm²

PACKAGING

FIBPOXY MIO (A+B : 9 KG PACK)

Supply

2 Packs Set : 18 KG (A Part : 2 Nos, B Part : 2 Nos)

STORAGE

FIBPOXY MIO Store at temperatures between + 10° C and + 40° C in originally sealed packages, the material can be stored for six 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.

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. 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 any of the component products 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.

Tech Data

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

