

# ShaliProtek<sup>®</sup> E MIO 40



2K Polyamide Epoxy Intermediate Anti-Corrosive Coat

STP Limited

## Description

**ShaliProtek<sup>®</sup> E MIO 40** (formerly known as ShaliPoxy MIO) is a two component, high build polyamide cured coating, pigmented with micaceous iron oxide.

**ShaliProtek<sup>®</sup> E MIO 40** offers good resistance against abrasion and impact, when cured, and provides an excellent barrier against penetration of water and water vapour.

**ShaliProtek<sup>®</sup> E MIO 40** can be used as primer or intermediate coat.

## Characteristics

|   |              |                   |  |
|---|--------------|-------------------|--|
| Colour                                    | Brown/Grey   | DFT, micron*      | 75 – 100                                   |
| Pot Life, 30 °C, hrs                      | 4 - 6        | Application       | Airless spray /Brush                       |
| Over coating interval                     |              | Drying Time       |  |
| • Minimum, hrs                            | 12           | • Touch dry, hrs  | 4 - 6                                      |
| • Maximum, Days                           | 7            | • Full Cure, Days | 7  |
| Theoretical Coverage, m <sup>2</sup> /L * | 6 ± 0.5      | Flash Point, °C   | > 40                                       |
| Application temperature, °C               | > 10 to < 50 | Volume solid, %   | 42 ± 3                                     |
| Finish                                    | Matt         | Compatibility     | Can be top coated with Epoxy, Polyurethane |

\* Depending upon surface condition.

## Application

- Protection of steel structures in aggressive coastal & industrial atmosphere.
- Ship loaders.
- Hoppers, conveyors silos, storage tanks, pipelines and general steel structures in fertilizer plants, refineries, petrochemicals, chemical plants, engineering industries, etc.

## Advantages

- Easy to Apply.
- Economical.

## Application Methodology

### ➤ Surface Preparation

- Remove dust, flakes, or other foreign particles by jet or dry air and clean the surface mechanically or by grinding to make it smooth before application.
- In case of new steel structure, blast clean to a minimum surface profile not exceeding 65 microns. Whereas in case of old steel structure, where blasting is not practical, use mechanical tools along with manual chipping and wire brushing to remove loose rust.
- Avoid excessive burnishing of steel.
- Thoroughly dust down the surfaces by hot air.

### ➤ Material Preparation

- Mix Component A (Resin) thoroughly by using speed drill mixer with a spiral type blade at the bottom of stirrer rod at speed of 350 - 400 rpm, till homogeneous mix is obtained. Then add component B (Hardener) slowly, mix with the stirrer till homogenous mixture is obtained.

- After stirring, wait for 10 – 15 minutes in order to let entrapped air escape.

#### ➤ Application of Material

- Apply **ShaliProtek® E MIO 40** on prepared surface by brush / spray.
- Allow it to dry.
- For airless spray application, use nozzle no 27 thou and filter mesh size 30 with tip pressure 110 – 160 kg / m<sup>2</sup>.

#### Health & Safety

- Avoid contact with skin / eyes, and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

#### Packing

Available in 20 L Container.

#### Storage

Store in a cool dry place, under shed, away from heat.

#### Shelf Life

12 months in original unopened sealed condition.



**STP Limited**  
*Enhancing Structures' Life*

#### Product Range

- Waterproofing & Insulation    ■ Road Surfacing
- Sealants & Adhesives    ■ Pipeline Coatings
- Protective/Anti-Corrosion Coatings    ■ Epoxy and Flooring
- Grouts and Admixtures (GARA)
- RestoFix - Repair/Rehabilitation    ■ Other Construction Chemicals



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