

# ShaliProtek<sup>®</sup> E PA 80

2K Anti-Corrosive / Protective Flexible Epoxy Polyamide Coating



STP Limited

## Description

**ShaliProtek<sup>®</sup> E PA 80** is a two-component cold cure epoxy polyamide adduct based coating, filled with special type of anti-corrosive pigment to protect steel, concrete structures, timber and other construction materials in corrosive environment.

**ShaliProtek<sup>®</sup> E PA 80** is a high build self-prime, surface tolerance paint uses as intermediate or top coat.

**ShaliProtek<sup>®</sup> E PA 80** has excellent abrasion resistant coating system.

## Characteristics

Application	Brush / Roller / Spray	Solid Content, %, by volume	82 ± 2
Colour	Grey / Red	Flash point, °C	28
Theoretical coverage*, m <sup>2</sup> / L	5 - 8	Chemical resistant	Good
Application temperature, °C <ul style="list-style-type: none"><li>• Minimum</li><li>• Maximum</li></ul>	10 40	High temperature resistance (Dry), °C <ul style="list-style-type: none"><li>• Continuous</li><li>• Occasional</li></ul>	70 – 80 120
Drying time, 30 °C <ul style="list-style-type: none"><li>• Touch dry, hrs</li><li>• Hard dry, hrs</li><li>• Full cure, day</li><li>• Overcoat</li></ul>	3 – 4 7 – 8 7 Overnight	Low temperature resistance, °C <ul style="list-style-type: none"><li>• Continuous</li><li>• Occasional</li></ul>	- 5 - 15
Salt spray, 300 hrs @ 150 Micron DFT	Pass	Specific Gravity, Mix, 30 °C	1.45 ± 0.05
Recommended DFT, Micron	100 - 150	Pot life, hrs, 30 °C	1
Mixing ratio, by volume	3 : 1	Hardness Shore D	70 ± 5
		Adhesion, Mpa	> 5

\* Depending upon Surface Condition.

## Application

- Metal & Steel structure.
- Sheet & pipe piling.
- Dams, Barrage gates, Penstocks.
- Crude oil storage tanks.
- Foundation walls and sumps.
- Concrete and Steel surfaces in sewage treatment plant.
- Paper Mills.
- Chemical Plants.
- Underground structures.

## Advantages

- Flexible anti-corrosive / preventive coating for structures – MS or concrete – even where the structure is in continuous contact with water.
- Provides excellent resistance to impact, thermal shock and abrasion.
- Cures to a hard, smooth and flexible surface with excellent resistance to sea / salt water, oil, acids, alkalis, crude oil and minerals.

## Application Methodology

### ➤ Surface Preparation

- Remove dust, flakes, oil, grease or other foreign particles by jet or dry air and clean the

surface to make it smooth before applying **ShaliProtek® E PA 80**.

- Surface of steel must be prepared as per the NACE (National Anti-Corrosion Engineers) or SSPC (Steel Structure Protection Council) guidelines.
- Ensure that new concrete must be at least 28 days old.

#### ➤ **Material Preparation**

- Add whole of Component B into Component A, which are pre-weighted in the ratio 3 : 1, and mix thoroughly for 5 minutes until homogenous mix is achieved. Use slow speed drill (400 – 600 rpm) fitted with a suitable mixing paddle.
- Allow the combined mix to sit for an induction time of 5 minutes. Stir again gently with a hand stirrer to ensure uniformity before application.

#### ➤ **Application of Material**

- Apply **ShaliProtek® E PA 80** by brush / roller / spray.
- Allow it to dry for 3 – 4 hrs
- Apply second coat of **ShaliProtek® E PA 80** after 12 hrs, if required to get higher DFT.
- In case of airless spray, use standard equipment having tip size of 0.59 – 0.89 mm and tip pressure 210 - 250 kg / cm<sup>2</sup>.

### **Cleaning & Maintenance**

- Clean all tools immediately after use with STP Thinner. Do not allow the material to harden.

### **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 combo pack of 20 L consisting of 15 L Comp A and 5 L Comp B.

### **Storage**

Keep in cool and dry place, under shed, away from heat.

### **Shelf Life**

12 Months in original unopened sealed condition.



**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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