

ShaliProtek® 2E PA 80

2K Anti-Corrosive / Protective Flexible Epoxy Polyamine Coating



Description

ShaliProtek® 2E PA 80 is a two-component cold cure epoxy polyamine 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® 2E PA 80 is a high build, self-prime, surface tolerant paint used as intermediate or top coat.

ShaliProtek® 2E 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 ² / L	5 - 8	Chemical resistant	Good
Application temperature, °C		High temperature resistance (Dry), °C	
Minimum	10	• Continuous	70 - 80
Maximum	40	• Occasional	120
Drying time, 30°C		Low temperature resistance, °C	
Touch dry, hrs.	3 - 4	• Continuous	- 5
Hard dry, hrs.	7 - 8	• Occasional	- 15
Full cure, day	7		
Overcoat	Overnight		
Salt spray, 300 hrs. @ 150 Micron DFT	Pass	Specific Gravity, Mix, 30°C	1.45 ± 0.05
		Pot life, hrs., 30°C	1
Recommended DFT, Micron	100 - 150	Hardness Shore D	70 ± 5
Mixing ratio, by volume	3 : 1	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® 2E PA 80**.

- Surface of steel must be prepared as per the NACE (National Association of Corrosion Engineers) or SSPC (The Society for Protective Coatings) 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 by volume 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® 2E PA 80** by brush / roller / spray.
 - Allow it to dry for 3 - 4 hrs.
 - Apply second coat of **ShaliProtek® 2E 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 / cm².

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.



STP Limited
Enhancing Structures' Life

Product Range

- Waterproofing and Insulation
- Road Surfacing
- Sealants and Additives
- Pipeline Coating
- Protective / Anti-Corrosive Coating
- Epoxy Flooring
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