

ShaliPrime[®] Zn Ph 60

2K Zinc Phosphate Primer



STP Limited

Description

ShaliPrime[®] Zn Ph 60 is two component, phenalkamine cured, zinc phosphate anti-corrosive epoxy primer for steel surface. **ShaliPrime Zn Ph 60** is composed of non-lead pigments and inert mineral fillers.

Characteristics

Colour	Greenish	Application Temperature, °C	10 - 40
Theoretical coverage, m ² / L	5 – 6	Pot Life, 30 °C, hr	> 4
DFT, micron	100 – 200	Touch dry, 30 °C, hr	2
Volume Solid, %	58 ± 2	Full cure, days	7
Mix density, 30 OC, gm / cc	1.41 ± 0.02	Recoating time, hr	10 - 12

* Depending upon surface condition.

Application

- Suitable for use on blast cleaned steel where a complete epoxy system is required. It is suitable as a patch primer for treatment of manually prepared steel.

Advantages

- Resists most chemical environment when used with recommended top coats.
- Resists water / corrosion.
- Provides good anti-corrosion protection.
- Facilitates adhesion of finish onto difficult substrates.
- Non-toxic, safer to use as compared to chromate version.

Application Methodology

➤ Surface Preparation

- Remove dust, flakes, rusty material or other foreign particles by jet or dry air and clean the surface mechanically or by grinding to make it smooth before application.
- Thoroughly dust down the surfaces.
- Ensure that the substrate temperature is in the range of 10 °C – 45 °C.

➤ Material Preparation

- Mix the entire quantity of Base and Accelerator compounds, which are pre-weighted, thoroughly to a homogenous and uniform compound by a slow speed mixture (approx. 400 rpm) fitted with suitable mixing blade.

➤ Application of Material

- Apply ShaliPrime RC on the surface where wire brush is not reachable and allow the surface to dry for 48 hrs.
- Apply **ShaliPrime[®] ZN Ph 60** by brush, roller or spray. When applied by airless spray gun, ensure that the minimum working pressure of 140 kg / cm² with a spray tip size 0.43 – 0.53 mm and a spray tip angle of 65°.
- Ensure that the base and the hardener are at the minimum temperature of 15 °C when mixed for satisfactory spray application.
- **ShaliPrime[®] Zn Ph 60** may be over coated with conventional paints or two-pack epoxy paints and polyurethane. Over-coating can be done after 8 - 10 hrs; however, it is

recommended to coat after 12 - 24 hrs of application of primer to obtain superior performance.

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 unit pack container.

Storage

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

Shelf Life

12 months in original unopened sealed condition.



STP's Businesses
Waterproofing & Insulation
Road Surfacing
Pipeline Coating
Protective / Anti-Corrosive Coating
GARA (Grouts & Admixtures)
Sealant & Additives
Repairs & Rehabilitation
Epoxy Flooring

