

PENTENS E-10SR

Water-based Epoxy Zinc Rich Primer

Product Data Sheet

Description

PENTENS E-10SR is combine by hydrophilic epoxy resin, water, zinc phosphate and iron oxide pigment.

Zinc phosphate is a mineral that offers inhibitive or active corrosion protection to protect the steel substrate from corrosion. They act differently from other forms of corrosion protection.

Zero organic solvents in the material will reduce the health damage of workers and protect our environment.

Uses

Suitable for indoor and outdoor tin boards, iron fittings, oil sumps, bridges, ships, pipes, metal roof and etc. Can be also used for brick, masonry, concrete, compressed fiberboard, stone and timber.

Advantages

- Environmentally friendly.
- Can be applied at low temperature.
- Good adhesion.
- Excellent adhesion to most substrates.
- Easy to apply.
- Low viscosity.
- Negligible odor and toxicity.
- Can be applied on damp surfaces.

Technical & Physical Data

Appearance	Liquid
Working Time (mins)	30
Mixing Ratio	1:1
Consumption	0.2 ~ 0.3kg/m ²
Shelf Life	1 year when unopened and undamaged
Packaging	E-10SR A: 10 kg/pail E-10SR B: 10 kg/pail

Important Notes

1. Ensure adequate ventilation. Natural cross flow ventilation should be adequate.
2. When use as a primer, never add more than 5% of water to dilute E-10SR.

Instruction For Use

Surface Preparation

All surfaces to be treated must be structurally sound and all previous coatings, adhesives, efflorescence or laitance should be removed by chipping, abrasive blast cleaning, high pressure water washing, mechanical scrubbing or other suitable means.

Mixing

Each component should be individually mixed to form homogeneous components prior to mixing. Thoroughly mix the two components in the ratio of 1:1 by weight, using a mechanical forced action mixer with a high shear stirrer until a homogeneous paste is obtained.

Only mix as much as may be used within the pot life of the product and avoid excessive aeration during mixing. Discard any material which has exceeded the pot life or working time of the product.

Application

Spread the material using a roller or brush to achieve a smooth coverage and finish.

Spray application is also acceptable provided uniform thickness coverage is obtained. Apply one coat at 0.2~0.3kg/m² to substrate. Care should be taken to ensure to uniformly apply the material at the required coverage rates. Additional coat may need depending on substrate's texture and porosity.

Allow to cure for approximately 8 hours at 25°C/ 50% R.H. before applying the next layer of coating, adhesives, mortars, decorative coatings or other surface treatment.

Coverage

Each coat is applied by roller at 0.2 ~ 0.3kg/m². Coverage depends on surface porosity and substrate conditions.

Cleaning

PENTENS E-10SR should be removed from tools and equipment with water and thinner immediately after use. Hardened material can only be removed mechanically.

Safety

Impervious gloves and barrier cream should be used when handling these products. Eye protection should be worn. In case of contact with eyes, wash thoroughly with plenty of water and seek medical advice if symptoms persist. If contact with skin occurs, it must be removed before curing takes place. Wash off with an industrial skin cleanser followed by plenty of soap and water. Do not use solvent. Ensure adequate ventilation when using these products.