

PENTENS E-620F

High Performance Water-based Epoxy Coating

Product Data Sheet

Description

PENTENS E-620F a pigmented, reactive two-component system, consisting of water-emulsified epoxy resin and it is environmentally friendly with extremely low V.O.C. (volatile organic compound)

Uses

- Potable water tank.
- Waste water treatment plant.
- Food industries.
- Clean room.
- Storage and logistic areas.
- Chemical and pharmaceutical industries.
- Indoor and outdoor tin boards, iron fittings, oil sumps, bridges, ships, pipes, metal roof, etc.
- Can be also used for brick, masonry, concrete, compressed fiberboard, stone and timber.

Advantages

- Environmentally friendly.
- Cured membrane can withstand high levels of hydrostatic pressure up to 250 kPa meter head of water.
- Excellent wear and impact resistant properties.
- Excellent resistant to chemicals.
- Can be applied to damp surfaces.
- Can be applied to freshly laid hardened (green) concrete.
- Non-toxic.
- Easy to clean.
- Excellent adhesion to most substrates.

Technical & Physical Data

Appearance	Liquid
Color	Grey, Green (other color made to order)
Setting Time	24 hours
Application Temperature	8°C ~ 40°C
Appearance (Mixed)	Uniform liquid in color with a matt appearance
Mixing Ratio	10:1
Consumption	0.2 ~ 0.3kg/m ² /coat
Pot Life	20 minutes
Shelf Life	12 months when unopened and undamaged
Storage Condition	Store in a dry cool place
Packaging	E-620F A: 20 kg/pail E-620F B: 2 kg/pail

Important Notes

Ensure adequate ventilation. Natural cross flow ventilation should be adequate.

Instruction For Use

Surface Preparation

All the surfaces must be clean, free from grease, oil and laitance. Remove all the dirt and contaminants which might affect adhesion.

Mixing

Each component should be individually mixed to form homogeneous components prior to mixing. Thoroughly mix the two components at the ratio of 10:1 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.

A minimum of two coats is recommended and care should be taken to ensure to uniformly apply the material at the required coverage rates. Depending on the substrate condition. Each layer is applied at 0.2 ~ 0.3 kg/m².

After the first coat application, allow approximately 8 hours curing time before applying the second coat. Care must be taken to fill voids and avoid pinholing.

Allow fully cure for a minimum of 24 hours at 25°C/50% R.H. The curing time will depends on the type of surface and the ambient conditions.

Cleaning

PENTENS E-620F should be removed from tools and equipment with 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, rinse 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.