PENTENS E-10

Water-Dispersed Two-Component Epoxy Resin

Product Data Sheet

Description

PENTENS E-10 is a reactive two-component system, consisting of modified phenol-type epoxy resin (A-Comp.) and water-emulsified epoxy resin hardener (B-Comp.). This system could actually be formulated using water as a carrier and produces film with outstanding appearance.

PENTENS E-10 is safe for use in sensitive areas and it is environmentally friendly with extremely low V.O.C.

Uses

- As a primer for water-based waterproofing/ flooring works
- As a binder / sealer for fiber glass mat in tank lining works
- New and old concrete bonding agent
- Multi-purpose adhesive

Advantages

- Environmentally friendly.
- Can be applied to damp surfaces.
- Can be safely applied to freshly laid hardened (green) concrete.
- Negligible odor and toxicity.
- Has excellent adhesion to most substrates, including brick, masonry, concrete, compressed fiberboard, stone and timber.

Technical & Physical Data

Appearance (mixed)	Milky emulsion
Specific Gravity (mixed)	Approx. 1.01 @ 25°C
Solid Content (%)	> 80
Viscosity (Brookfield), (cP)	3000 (approx.)
Pot Life	45-60 minutes @ 25°C
Application of Adhesive / Coverings	24 hours @ 25°C and 50% RH
Full Cure	5-7 days @ 25°C and 50% RH
Storage	Store in a dry, cool place
Shelf Life	1 year when unopened and undamaged
Packaging	E-10A: 20kg /pail E-10B: 20kg /pail

Coverage

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

Important Notes

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

Disclaimer. All representations and recommendations set forth are given in good faith and to the best of our knowledge. However due to varying conditions and applications, the buyer shall conduct its own tests of this product before use. Under no circumstances will the manufacturer be liable for any loss or damages caused by incorrect usages. The sale of this product shall be on terms and conditions set forth on Pentens order acknowledgement.

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.

Dry surfaces should be sprayed with a fine mist of water prior to the application of the PENTENS E-10.

Mixing

PENTENS E-10 A/B must be mixed homogeneously prior to application with an electrical or pneumatic power stirrer at approximately 300 - 400 rpm. (Mixing time is approximately 3-4 minutes depending on circumstances as it may take a longer time to achieve a homogeneous mix in certain circumstances.)

Application

Spread the material using a roller, brush or spray at an approximate rate of 0.2kg/m2 to achieve a smooth coverage and finish.

Wait for 8 hours to cure before applying topping.

Safety

PENTENS E-10 may cause irritation. Gloves and protective goggles must be worn during application and use. Avoid direct contact with skin, eyes and avoid breathing in vapor. Wear protective gloves when mixing or applying it. If swallowed, do not induce vomiting but quickly seek medical advice. If contact with skin occurs, remove contaminated clothing and wash for a minimum of 15 minutes or seek medical advice if symptom persists.

UFON NANO-CHEMICAL LTD.
8F, No.2, Lane 348, Sec 2, Chung-Shang Road,
Chung Ho City, Taipei Hsien, Taiwan, R.O.C.
Tel: +886 2 2240 0220 Fax: +886 2 2242 6536
URL: www.pentens.com
E-mail: pentens@ms35.hinet.net

DONG JI (M) SDN. BHD.
No.8, Jalan TPP 5/7, Taman Perindustrian Puchong,
47100 Puchong Selangor, Malaysia.
Tel: +603 8060 4396 Fax: +603 8060 4394
URL: www.pentens.com.my
E-mail: dji@pentens.com.my