

PENTENS E-621

Water-based Epoxy Putty Filler

Product Data Sheet

Description

PENTENS E-621 is a ready-to-use, two-part putty filler, formulated on the basis of water-based epoxy resin designed for repairing cracks and holes in concrete, masonry or brick structures.

E-621 is safe for use in sensitive locations and it is environmentally friendly with extremely low V.O.C. content.

Uses

Not only used as putty filler but also suitable for using in areas including:

- As a sealer for water-based waterproofing / flooring works
- As a binder / sealer for fiberglass mat in tank lining works
- Fill cracks and holes in concrete and masonry structures
- Concrete patching mortar

Advantages

- Environmentally friendly.
- Excellent wear and impact resistant properties.
- Impervious to liquid and excellent resistance against chemicals.
- Can be applied on damp surfaces.
- Can be safely applied to freshly-laid hardened (green) concrete.
- Non-flammable, negligible odor and toxicity.
- Has excellent adhesion to most substrates including brick, masonry, concrete, compressed fiberboard, stone and timber.
- Easy clean-up using water.

Technical & Physical Data

Appearance (mixed)	Paste-like
Finish	Matte
Pot Life	45-60 minutes @ 25°C
Water Vapor Barrier (Permeance)	0.12g/24 hrs/m ² mmhg @ 32°C and 50% RH
Application of Adhesive / Coverings	24 hours @ 25°C and 50% RH
Specific Gravity (mixed)	Approx. 1.35 @ 25°C and 50% RH
Storage	Store in a dry, cool place
Shelf Life	1 year when unopened and undamaged
Packaging	
■ E-621A	20kg /pail
■ E-621B	20kg /pail

Chemical Resistant (20°C, 60days)

Hydrochloric acid-10%	No deterioration
Saturated sodium chloride solution	No deterioration
Acetic acid-20%	No deterioration
Sodium hydroxide-30%	No deterioration
Ethyl alcohol/water =60/40	No deterioration
Household detergent	No deterioration
Styrene	No deterioration
Saturated cement solution	No deterioration
Hcooh-10%	No deterioration

Important Notes

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

Instruction of Use

Surface Preparation

The substrate must be clean, dry, and free from dust and any trace of formwork release oil.

Never wet the substrate before applying PENTENS E-621.

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 speed stirrer until a homogeneous paste is achieved.

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

Apply with putty knife or metal trowel.

Allow to cure for a minimum of 24 hours at 25°C/ 50% R.H. before applying top coatings or other surface treatments.

Safety

Contact with E-621 may cause irritation. Avoid contact with skin, eyes and avoid breathing in its vapor. Wear protective gloves and goggles when mixing or using the material. If poisoning occurs, seek medical treatment immediately. If swallowed, do not induce vomiting. If skin contact occurs, remove contaminated clothing and wash skin thoroughly for a minimum of 15 minutes and seek medical treatment.

