CRYSTALINE WATERPROOFING RAPID SET WATERPLUG

DESCRIPTION

PENEPLUG® is a rapid setting, integral crystalline cementitious waterstop designed to stop active water leaks and moisture ingress. PENEPLUG® can be used internally or externally as a waterproof plugging mortar or where rapid setting and early strength gain is required.

RECOMMENDED FOR

PENEPLUG® can be used on the following substrates:

- Concrete
- Masonry
- Earthenware
- Stone

ADVANTAGES

- Plugs/stops active water leaks
- Seals leaking joints, form tie holes or cracks
- Stops water flow
- Sets in approximately 30 seconds after mixing
- Durable
- Can be used underwater
- Can be mixed with water or used dry
- Easy to apply
- Zero VOC – PENETRON® powdered products contain zero volatile organic compounds and are safe for use both outdoors and in confined indoor spaces

DIRECTIONS FOR USE

Surface Preparation: The substrate must be clean, sound and free of any surface contamination, such as oils, coatings, paints, dirt, etc. Leaking areas must be cut back to sound material, leaving an appropriate chase for receiving PENEPLUG®.

Mixing: Setting time is dependent largely on the amount of mixing water used. Water must be added to PENEPLUG® and mixed quickly. The mix should have a dry pack (dry earth) consistency, holding a shape when squeezed in your hand but easily crumbled when pressed with fingers. Mixing time is about 15 seconds with setting occurring about 30 seconds later. In cold weather, use lukewarm water. In higher temperatures, use cold water.

Mixing ratios: Standard mix ratio at 20 ºC (68 ºF) is 1kg (2,5 lb) PENEPLUG® and approximately 0,170 L of water.

Application: To avoid waste, only small quantities of PENEPLUG® should be mixed. After mixing, apply PENEPLUG® to the appropriate area immediately. Material should be formed into a wedge and forced into the leak. This can be accomplished with the use of a block of wood and hammer. Work the plug well into the area and then, applying as much pressure as possible, hold firmly in place for about 30 seconds or until set. After the leak has stopped, prime the area with a bond coat of PENETRON® and then fill the remaining void to the surface with PENECRETE MORTAR™. Remove excess material. After lightly pre-wetting, apply a final coat of PENETRON® to the repaired area.

In certain circumstances PENEPLUG® may be applied as a dry powder. After preparing the surface as described above, place and hold the powder directly over the leak for 30-60 seconds.

PACKAGING

PENEPLUG® can be purchased in 18 kg (40 lb) bags and 4 kg (9 lb) or 25 kg (55 lb) pails.

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STORAGE / SHELF LIFE

PENEPLUG® should be stored dry at a minimum temperature of 7 ºC (45 ºF). When properly stored in a dry cool place in unopened and undamaged original packaging, shelf life is 24 months.

SAFE HANDLING INFORMATION

PENEPLUG® contains cement which is alkaline. Will irritate eyes and skin and may cause skin sensitization. Wear appropriate eye, skin and breathing protection when using this product. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. For further information please refer to Safety Data Sheet. PENETRON HELLAS S.A. has recently updated Safety Data Sheet on the safe use of PENETRON® products. Each Safety Data Sheet contains health and safety information for the protection of your employees and your customers. KEEP OUT OF REACH OF CHILDREN.

WARRANTY – DISCLAIMER

PENETRON HELLAS S.A. warrants that its products are manufactured under certified ISO Standard procedures, are of excellent quality and shall be free from material defects and contain all components in their proper proportion. Should any of the products be proven defective, the liability to PENETRON HELLAS S.A. shall be limited to replacement of the material proven to be defective, since the standard application procedures have been met and the suitability of the product for the particular application have been proven. PENETRON HELLAS S.A. makes no warranty as to merchantability of fitness for a particular purpose. User, after contacting the distributor of the product, shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith. While every care has been taken, the information provided in this product's data sheet make no part of any contract. All recommendations, technical data and test data contained in this product's data sheet are based upon the results of control laboratory tests or in actual field tests. However, PENETRON HELLAS S.A. makes no warranty of any kind, concerning this data. In any case, this data is given in good faith based in the PENETRON HELLAS S.A. experience, till the publication of this sheet. Due to variance in storage, handling and applications of the materials, PENETRON HELLAS S.A. accepts no liability for the results obtained. It is suggested that potential users try small applications to determine the suitability of each individual product for their specific requirements. The users should always refer to the most recent edition of the product's data sheet. PENETRON HELLAS S.A. may particularly differentiate its versions of the product's data sheet compared with those of PENETRON INTERNATIONAL LTD or respective PENETRON companies worldwide. These changes are due to text formatting, different application weathering and procedures or different product names and aim at the optimal consumer information.

CERTIFICATION

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EN 1504-3
PENEPLUG
Products and systems for structural and non-structural protection and repair of concrete structures
Compressive strength: Class R3 (≥ 25 MPa)
Chloride ion content: < 0.05 % by mass
Adhesive bond: NPD
Restrained shrinkage, expanding: NPD
Elastic modulus: NPD
Thermal compatibility (Part1): NPD
Carbonation resistance: deemed to have no corrosive effect
Reaction to fire: NPD
Dangerous substances: NPD

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