

PENTENS T-802 WATERPLUG

Product Data Sheet

Instant Setting Mortar for Plugging Leaks

Description

PENTENS T-802 WATERPLUG is a blend of hydraulic cement, well-graded sand and chemical additives supplied in dry powder form to seal concrete and masonry and acts as a rapid-setting remedy to plug active water instantly.

PENTENS T-802 WATERPLUG is suitable for use in domestic, construction, mining and agricultur as a rapid repair.

Uses

PENTENS T-802 WATERPLUG is used for any structure that requires a quick remedy for water leakages through joints, cracks and holes in concrete or masonry where a normal mortar would be washed away and resin mortars would not bond.

It may be used:

- As a seal for construction joints or floor joints prior to basement tanking with PENTENS Waterproofing System
- For instant sewer connections
- For sealing cracks and construction joints in reservoirs and other water-retaining structures
- For rapid anchoring of bolts, conduits, pipes, railings, sanitary equipment, etc.
- Joint filling, pointing between concrete segments in concrete and brick tunnels, sewage systems, pipes and mines

Advantages

- Chloride-free - non corrosive on the reinforcement.
- Ultra-rapid set - instant plugging of leaks.
- Easy and safe to use - requires only the addition of clean water.
- Expands as it sets - ensures a permanent watertight seal.
- Good adhesion.
- Excellent water-stopping power and hydraulic resistance.
- Similar characteristics and compatible with concrete - durability equal to concrete structure.
- Non-toxic after hardening.

Technical & Physical Data

Form	Premixed powder
Color	Cement grey
Density (paste)	~ 2.0 kg per liter
Mixing Ratio (by weight)	T-802 : Water 1 : 0.3
Working Time (at 25°C)	30 seconds
Hardening Time (at 25°C)	90 – 120 seconds
Compressive Strength (7 days)	5000psi
Shelf Life	12 months when unopened in original packaging and stored in a dry, cool place.
Packaging	5kg /pail 20kg /bag

Instruction for Use

Surface Preparation

Cracks or holes should be cut out to a minimum width and depth of 20 mm; the sides should be cut as square as practicable. Undercut if possible. Avoid leaving a V-section. Do not feather-edge.

Flush out the hole or crack with water at high pressure to remove all loose particles and dust.

Mixing

PENTENS T-802 WATERPLUG powder should be mixed with clean water by hand only.

Dampen all surfaces with clean water immediately prior to the application of T-802 Waterplug.

Application

Mix, in a rubber bowl, only sufficient material (0.5 kg) that can be placed by hand in one application. Mix quickly and well to a putty-like consistency. Do not overmix.

Form a plug of the mixed material in the rubber-gloved hand until slight setting occurs.

Immediately press T-802 WATERPLUG mortar firmly into the opening; exert full pressure, without moving the hand until it sets. Hold in place for approximately 60 seconds.

If the opening is too big to be closed with 0.5 kg of T-802 WATERPLUG, work progressively from the sides to the middle, following the above procedure. After stopping the active water, trim off the excess material so that it is uniformly level with the surrounding wall surfaces.

Curing

Final setting time is about 2-3 minutes .

Once the placed T-802 WATERPLUG mortar has stiffened sufficiently, dampen with clean water and maintain in a damp condition for a minimum of 15 minutes.

Cleaning

Remove unhardened PENTENS T-802 products from tools and equipment with water. Hardened material can only be removed mechanically.

Safety

PENTENS T-802 WATERPLUG contains cement and is alkaline. Suitable precautions should be taken to minimise direct contact with skin. Wear rubber gloves and goggles when using the material. If the material gets into the eyes, rinse immediately with clean water and seek medical advice if irritation persists.

PENTENS**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.4, Jalan BP 4/1, Bandar Bukit Puchong,
47120 Puchong, Selangor, Malaysia.
Tel: +603 8066 8287 Fax: +603 8066 9287
URL: www.pentens.com.my
E-mail: dj@pentens.com.my