

RAPID SETTING CEMENT BASED WATER LEAK PLUGGING MORTAR

Description

Kwickroc is a highly effective instant leak plugging compound designed for quickly sealing leaks and wet cracks in concrete and masonry surfaces. Its special formulation is specifically crafted to promptly halt the flow of running water.

Kwickroc is a conveniently supplied ready-to-use dry powder blend that simplifies the on-site preparation. By adding clean water, it transforms into a highly consistent, fast-setting mortar, making application effortless even in challenging conditions. The composition comprises a mix of cements, graded aggregates, special fillers, and chemical additives, expertly calibrated to regulate the setting rate and mitigate the potential of thermal cracking.

Uses

This product is intended for fast and temporary patching and plugging of various concrete structures, including concrete segments, brick tunnel linings, sewage systems, below ground access chambers, pipes, basements, foundations, and mines.

Advantages

- This product possesses remarkable emergency water-stopping capabilities.
- It is a single-component solution, requiring only the addition of clean water.
- The bond it forms with the substrate is excellent.
- Its low exotherm feature minimizes the risk of thermal cracking.
- It comes in a pre-packed formulation to address variations in site batching.
- Importantly, it contains no chloride admixtures.

Properties

Shelf life : Upto 1 year when stored in dry place

Appearance / Colour : Grey powder

Compressive strength : 25N/mm² @ 28 days @ 300C

Packaging : 5kg and 25 kg bag

Initial Setting time : 1-2 minutes

Application Instructions

Preparation

All the surfaces which are to receive Kwickroc, must be free from oil, grease, wax, dirt or any other form of foreign matter which might affect adhesion.

Roughen the surface and remove any laitance by light scabbling or abrasive-blasting. To seal leaks, crack openings must be chased out to approximately 20mm. The chase should always be undercut to avoid leaving a V-section

Mixing

For Kwickroc, you should combine it with clean water in the following proportions:

One part clean water : 3 parts Kwickroc (measured by volume). Mix the components in a suitable container using a trowel or gloved hand until you achieve a stiff consistency. Due to the product's fast-setting properties, prepare only the amount of mortar that can be placed within the recommended set time.

Application

For Kwickroc, trowel apply or hand-knead the mixed mortar in the desired location, ensuring optimal contact with the substrate before the material sets. If the purpose is to plug running water, use Kwickroc and keep it in position until the initial set is achieved.

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Cleaning

Kwickroc should be removed from tools and equipment immediately after use with clean water. Hardened material can be removed mechanically.

Storage

Kwickroc has a shelf life of 12 months in original unopened packs, if kept in a dry storage. If stored at high temperatures and/or high humidity the shelf life may be reduced to less than 6 months.

Precautions

Health and Safety instructions

Kwickroc is non-toxic. Gloves and goggles is recommended to be worn. Any splashes to the skin or eyes, should be washed off with clean water. Should use a dust mask while handling the powder. In the event of prolonged irritation, medical advice should be sought.



Registered Office:
#63/2/32, 13th cross,
Andralli main road,
Peenya 2nd stage,
Bangalore - 560091

Contact us:

Telephone: +91-9845996034
Email: constructioncoatings@gmail.com

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