

KrystalMix C Plug

CRYSTALLINE RAPID SET WATERPLUG

Description: KrystalMix C Plug is a rapid-setting hydraulic cement-based mortar specifically designed to stop active water leaks in concrete and masonry surfaces. This product creates a durable and long-lasting barrier to water penetration, ensuring the protection and integrity of structures even in high-pressure water applications

Application: KrystalMix C Plug is intended to effectively address pressure and seepage leaks through cracks, joints, and various structures made of concrete, masonry, basements, rocks, tunnels, dams, culverts, pools, subways, earthenware and more.

Advantages:

Capable of stopping water leaks under pressure

Chloride-free composition

Easy on-site preparation, requiring only the addition of water

Excellent adhesion to substrate

No shrinkage and exhibits rapid setting properties

Rapid setting (sets in approximately 30 seconds)

Ensures durability of the material

Ability to be used underwater makes it highly versatile, enabling repairs and sealing even in submerged or water-exposed areas

Typical Properties @ 25°C

Properties	Standard	Values
Colour & Appearance	Visual	Grey Powder
Bulk Density	Visual	Approx. 1.4-1.5 g/cm ³
<u>Setting Time:</u>		(min)
Initial Setting	ASTM C 266	3 to 7
Final Setting		10 to 40
Compressive Strength	ASTM C 109 – 02	> 25 Mpa

Note: Testing was performed under laboratory conditions.

Other compliance:

BSEN 1504 Part 3

Direction for Use:

Surface Preparation: The substrate must be clean, and free of any surface contamination like paint, coating, oil, dirt, etc., thus ensuring optimal adhesion of KrystalMix C Plug to the substrate. Leaking areas should be attentively cut back to sound material, leaving an appropriate chase or groove that will receive the KrystalMix C Plug for effective sealing.

Mixing: KrystalMix C Plug is mixed in a proportion of 1:1.1 part of clean water and KrystalMix C Plug, respectively in a suitable mixing drum or bucket. Mix thoroughly until achieving a stiff consistency using a trowel. It is advisable to mix the material in parts based on the quantity required for the specific area of application to avoid unnecessary waste. Always follow the manufacturer's recommendations for the best results.

Application Procedure: Prepare the leaking cracks into a "V" shape, ensuring a more effective application of the material. Remove any loose or damaged material from the cracks and thoroughly clean the area to promote good adhesion. Begin filling the prepared cracks from the outside and gradually work towards the center of the leak. Ensure the material is placed during the application and leveled off to achieve a uniform and effective seal. Always adhere to the manufacturer's guidelines for the best results and long-lasting repairs.

Packaging: KrystalMix C Plug is available in 55-lb (25-kg) bags or pails.

Storage/Shelf Life: KrystalMix products must be stored dry at a minimum temperature of 45°F (7°C). When properly stored in a dry cool place in unopened and undamaged original packaging, the shelf life is 12 months.

Technical Services: For more detailed instructions, alternative application methods, or information concerning the compatibility of the KrystalMix treatment with other products or technologies, contact the KrystalMix Technical Department or your local KrystalMix representative.

Safe Handling Information: KrystalMix C Plug contains cement, that is alkaline, will irritate the eyes and skin and may cause skin sensitization. Wear appropriate eye, skin, and breathing protection when using this product. Avoid contact with skin and eyes. 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. KEEP OUT OF REACH OF CHILDREN.

Contact KrystalMix International, Ltd. or your local KrystalMix representative to obtain copies of Safety Data Sheets prior to product storage or use.

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