

COSTAR KRYSTAL PLUG

1-component, cementitious non-shrink, hydraulic cement.

Description

Krystal Plug is 1-component, cementitious non-shrink, hydraulic cement based on crystalline waterproofing technology. It withstands strong hydrostatic pressure, is breathable, has no odor, no fume & is non-flammable. Krystal Plug ensures permanent impermeability of concrete and is used in place of surface applied waterproofing membranes for improved durability and longevity of concrete.

Application Areas

- Used for Plugging and repair of water leakages
- Drying of wet areas, sealing leaky joints, cracks or form tie holes
- Applied against the water pressure to substrates such as concrete and masonry, interior, exterior, below and above grade, vertical or horizontal.
- Repairing of concrete substrates before application of coating materials.

Advantages

- Easy application
- Excellent bond to concrete and masonry
- Stops water leaks in four to five minutes at 20°C
- Water stopper and structural repair mortar
- Certified for use in contact with potable water

Mixing

- Approximate mixing ratio by volume: 1 part water to 4 parts powder (1:4)
- Mix swiftly to a stiff putty like consistency. Mixing time is about 30-60 seconds.
- Do not mix more than can be used in 2 minutes. Set time is dependent mainly on the amount of mixing water used and temperature of water.
- In cold weather, use lukewarm or heated water. In higher temperatures, use cold water.

Installation

- Locate leakage in the concrete, Start at the highest point and work down.
- Cut out the active leak to sound substrate
- Clean the cavity with a sponge, air blower, vacuum, or other suitable means.
- Mix and apply Krystal Plug to the leaking point
- Wait Until The Krystal Plug Begins To Stiffen And Becomes Warm (1 min.).
- Place Krystal Plug into the cavity using gloved hands or a brick jointer and hold firmly in place until it has set (hard, usually in 4 to 5 minutes).

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Technical Information

VOC Content	0g/L
Bulk Density	1.2Kg/dm ³
Appearance	Grey powder
Compressive strength (Mpa) (ASTM C-109) 1 day	> 18
7 days	> 23
28 days	> 27
Flexural strength (Mpa) (ASTM C-109) 1 day	> 2.4
7 days	> 2.6
28 days	> 3.0
Mixing Time	30-60seconds
Initial Set Time	1-2 minutes
Final Set Time	4-5 minutes

Packaging

20kg Bucket

Storage and Shelf Life

Krystal Plug has a shelf life of 12 months if kept in a dry store in the original, unopened packs.

Health and Safety

Krystal Plug should not be swallowed or allowed to come into contact with skin and eyes. Please use gloves and protective goggles. Avoid inhalation of dust. Wash skin contamination away with warm soapy water.

Limited Warranty

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either expressed or implied. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

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