



COSTAR KRYSTAL PLUG

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

PRODUCT DESCRIPTION

Costar Krystal Plug is 1-component, cementitious non-shrink, fast setting hydraulic cement based on crystalline waterproofing technology. It is breathable and can withstand strong hydrostatic pressure leaving no odor, nor fume & is nonflammable. Krystal Plug ensures permanent impermeability of concrete and is used in place of surface applied waterproofing membranes for improved durability and longevity of concrete.

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
- Possess hydraulic resistance.
- Excellent capacity to stop active water rapidly.
- Negligible shrinkage observed.
- No cracking once cured.

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.

MIXING

- Approximate mixing ratio by volume: 1part 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 1 - 2 minutes.

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 (within approx.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 within approx. 4 to 5 minutes).

TECHNICAL INFORMATION

VOC Content	0g/L
Bulk Density	1.2Kg/dm ³
Appearance	Grey powder
Compressive strength (Mpa) (ASTM C-109) 1 day	> 29
7 days	> 47
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

CAUTION

Note

- Set time is dependent on the amount of mixing water used and temperature of the mixing water
- In cold weather use lukewarm or heated water and in higher temperatures use cold water.

SHELF LIFE

18 months from date of manufacturing when unopened and stored under proper condition. Keep in a cool and dry place away from direct sunlight.

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PACKAGING

20kg Bucket

HEALTH & SAFETY

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Wear suitable protective clothing, gloves and eye/face protection.
- If swallowed, seek medical advice immediately and show this container or label.
- Keep the coating materials above 10C.
- Do not apply when surface temperature is below 10°C or over 35°C
- Do not apply in environments of high humidity/moisture, or if pending rain is a possibility.
- Once mixed, it be must use within its pot life as specified in earlier section

ADDITIONAL INFORMATION

Costarchem manufactures a complete range of construction chemical products which include:

- Concrete admixtures
- Waterproofing system
- Flooring system
- Cementitious and epoxy precision grouts
- Damp-proofing products
- Sealants and adhesives
- Repair and refurbishment systems

For more information on any of our products, please contact Costarchem global or regional office.

LEGAL NOTE

The information and recommendations relating to the application of Costarchem products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with the stated recommendations in the product datasheets. Whilst Costarchem endeavors to ensure that any advice, recommendation, specification of information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation of information given by it. The user of the product must test the product's suitability for the intended application and purpose. Costarchem reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.