

CRYST PLUG®

Article-No.: 07200

CRYSTALLINE WATERPROOFING PLUG MORTAR

DESCRIPTION

CRYST PLUG® is a fast-setting cementitious mortar containing crystalline technology and special additives, which is designed to stop active water leaks in seconds. CRYST PLUG® can be used internally or externally as plugging leaks or rapid setting repair mortar with a high early compressive strength to prevent water ingress into buildings or concrete structures such as tunnels, tanks, shafts, manholes, and similar.

FEATURE AND BENEFITS

- Fast setting within approximately 60 seconds.
- Environmentally friendly.
- Resist hydrostatic pressure from either the positive or negative surface of the concrete.
- Will set up and harden underwater.
- Ability to seal hairline cracks up to 0.5mm wide.
- Allows concrete to breathe.
- Non-toxic - ideal for potable water.
- No VOCs.
- Provides a permanent watertight seal.
- A single component that is easy to use – needs only to be mixed with water prior to application.

FIELD OF APPLICATION

- Used to stop active water leaks or seepage under pressure through holes, joints, tie rods, cracks in concrete or masonry walls, swimming pools, water storage facilities, tunnels, fountains, cisterns, water channels, ponds, pipes, basements, foundations, retaining walls and any defects in concrete.
- Repair the rock pockets leaks.
- Provides impervious, non-shrinking seal to prevent leakage around pipes, conduits, sanitary equipment, and anchoring of bolts.

MATERIAL PROPERTIES

Form:	powder
Apperance:	grey
Bulk Density:	approx.1.4 g/cm ³
Application temperature:	+8°C up to +40°C

TECHNICAL DATA

Compressive strength:	28 days	30 N/mm ²
Processing time:	approx. 1minutes	
Hardening time	approx. 1minutes	
Consumption:	approx. 2 kg/l	

DIRECTION FOR USE

Surface preparation:

The surface must be clean, sound, and free from adhesion inhibiting substances, such as oils, coatings, paints, dirt, etc. To improve anchoring CRYST PLUG® to leaking areas must be cut back to sound material, leaving an appropriate chase for receiving CRYST PLUG®

Product mixing:

The Standard mixing ratio at 25°C is 1 Kg of CRYST PLUG® with approximately 0.25 liter of water. Setting time is depend on the amount of mixing water used. Water must be added to CRYST PLUG® and mixed quickly within 25 seconds. The mix should have a dry pack consistency, holding a shape when squeeze in your hand.

Application:

Mix small quantities of CRYST PLUG® that can be used within 1 minute to avoid waste. After mixing, apply CRYST PLUG® to the running water areas by pressing the mortar into the void until the material has hardened. After the leak has stopped, prime the area with a bond coat of CRYST COAT® and then fill the remaining void to the surface with CRYST MORTAR®. Remove excess material. After lightly pre-wetting, apply a final coat of CRYST COAT® to the repaired area. The CRYST PLUG® can be applied as a dry powder in certain circumstances. After preparing the surface as described above, place and hold the powder directly over the leak for 1-2 minutes.

RECOMMENDED TOOLS

Trowel, Spatula, Gloves, and Safety glasses.

PACKAGING

CRYST PLUG® is available in 15 kg bags or pails.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

STORAGE & SHELF LIFE

Keep CRYSTARM products must be stored dry and at a temperature of no less than 45°F (7°C). one year is the maximum shelf life when stored under proper conditions in original unopened packaging.

SAFETY HANDLING

CRYST PLUG® is made of Portland cement and silica sand may irritate your eyes and skin. Take adequate precautions, such as wearing protective gloves and using breathing apparatus if applied in enclosed environments. If contact is made, flush areas with lots of water. For further information please refer to Safety Data Sheet. KEEP OUT OF REACH OF CHILDREN.

CRYSTARM®

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CRYSTARM®
Drescherstraße 53, D-71277 Rutesheim
EN 1504-3
CRYST PLUG
for structural and non-structural concrete repair
mortar
EN 934-2:T9

Compressive strength	Class R3
Chloride ion content	≤0,05%
Adhesive bond:	NPD
Restrained shrinkage/expansion	NPD
Elastic modulus:	NPD
Carbonation resistance	NPD
Thermal compatibility	NPD
Reaction to fire:	NPD
Release of dangerous substances	NPD

WARRANTY: The Manufacturer warrants that the products manufactured by it conform to the formulation standards contained in all components in their proper proportion and are free from material defects. If any of the products are found to be defective the subsequent liability to The Manufacturer shall be limited only to the replacement of the product proven to be defective and shall not be liable for any other claim or for incidental or any consequential damages that may arise directly or indirectly with the said defective product. The user shall determine the suitability of the product for its intended use and the user assumes all liability in connection therein and the manufacturer shall not be liable save for terms of this warranty.