

X-Roc CrystalPlug

Ultra fast setting cementitious crystalline water stopping mortar

10020213

Product Description

X-Roc CrystalPlug is a single component rapid setting crystalline mortar designed for sealing and plugging water leaks in concrete, masonry and stone.

Advantages

- Fast setting
- Withstands positive and negative hydrostatic pressure
- Easy to apply
- Can be applied dry or wet

Uses

To stop running water in:

- Leaking joints
- Form tie holes
- Cracks
- Kickers
- Honeycombed concrete
- Manholes
- House connections
- Water tanks

Laboratory Test Data

Property	Typical Results
Initial set	60 to 120 seconds at 20°C
Compressive strength ASTM C109	30MPa at 28d (dry)
Permeability CRD C48 - 92	No leakage upto 460 feet (140m) head

The above data was obtained under laboratory conditions. Actual results in the field will vary as a result of different factors such as temperature, actual water content, curing and compaction.

Packaging

5kg pails and 25kg bags.

Installation Guidelines

Surface Preparation

The substrate must be sound, clean and free from any surface contamination. Remove any soft, deteriorated or unsound material from the substrate. Rout out cracks to a U-shaped profile. Dry substrates should be dampened prior to application.

Dry method

In cases where the water flow is not too great and the area to be sealed is small, X-Roc CrystalPlug can be applied as dry powder without mixing. Firmly press the X-Roc CrystalPlug powder against the active leak and rub until the water stops. For large areas of moisture penetration, rub X-Roc CrystalPlug powder onto the wet surface.

Mixing Method

Mix only what can be used in the time available. Mix by hand using a trowel or with a suitable drill and mixing paddle. Mix in the proportion of 3 parts by volume X-Roc CrystalPlug to 1 part by volume of water. Setting time is dependent on the amount of mixing water used and the temperature of the water. Warm water accelerates the setting; cold temperatures retard it. Mix only small quantities of material at one time. Press the mixed material firmly into the crack or hole using a gloved hand or a brick jointing trowel. Hold firmly in place until the material has set. Strike off flush with surface.

Curing

In normal conditions no curing is required. For critical applications or at temperatures above 30°C cure, using X-Cure WB (see separate datasheet).

Limitations

Do not apply at temperatures below 5°C (41°F)
At temperatures above 35°C (95°F), pre-condition the material in a cool environment and use chilled water to achieve a satisfactory working time.

Health and Safety

This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. The MSDS can be obtained via our website www.x-calibur.us

Authorized Technical Specialist

Please note that only X-Calibur Authorized Technical Specialists ('ATSS') are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product. Visit www.x-calibur.us for a full list of X-Calibur ATSSs.

Datasheet Validity

X-Calibur makes modifications to its product datasheets on a continuous basis. Please check the datasheet update section on www.x-calibur.us to ensure you have the latest version.

Warranties

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