



Krystol Plug™

(Rapid-setting Hydraulic Cement)

Product Code: K-620

DESCRIPTION

KRYSTOL PLUG™ is a fast setting powder that, when mixed to a stiff-dough consistency with water, may be used to immediately arrest the seepage or flow of water through concrete voids. Use Krystol Plug to stop flowing water and allow a permanent waterproofing repair to be installed in leaking cracks, holes, joints or any place where water is penetrating a concrete structure.

FEATURES

- Stops flowing water immediately
- Sets fast, in one to two minutes
- Easy to mix and apply
- Will set up and harden under water
- Has exceptional strength
- Non-toxic and non-metallic
- Does not contain any chlorides
- Safe for drinking water applications
- Can be painted after curing

RECOMMENDED USES

- Part of the Krystol Crack Repair System (See Application Instruction 301)
- Plugs and seals construction holes left by tie wires, wood or steel separators
- Firmly anchors bolts and ornamental iron
- Provides impervious, non-shrinking seal to prevent seepage around pipes and metal fixtures in masonry and concrete

PACKAGING

Krystol Plug is packaged in re-sealable plastic buckets in the following standard sizes:

- 5kg (11 lbs.) pails
- 25kg (55 lbs.) pails

COVERAGE

- As a component of the crack repair system, (see Application Instruction 301) a 25kg (55lb) pail will complete approx. 30m (100 ft.) of crack.
- Approx. 500 cm³ per kg (approx. 13 cubic inches per pound) when used as a grout.

APPLICATION

1. The crack or hole to be treated should be cut away to a minimum depth and width of (check Application Instruction 301) 40 mm (1.5 inches) by undercutting or square cutting (not by v cut). Flush away all cuttings and dirt to form a clean washed surface.
2. Surfaces to be treated must be pre-soaked with clean water to a saturated surface dry (SSD) condition. Do not leave any standing water.
3. Mix Krystol Plug to a suitable putty consistency that can be held in your hand (wear gloves) - approximately 4 parts powder to 1 part clean water by volume. Mix only the amount of material that can be applied within one minute. After the Krystol Plug putty has been adequately kneaded into a uniform texture, immediately press it firmly into the cracks and crevices to be sealed using maximum pressure but with minimum back and forth motion or rubbing.
4. Air and surface temperatures must be at least 40°C.

PHYSICAL PROPERTIES

Appearance	Powder
Color	Dark Gray
Bulk Density (g/cc)	1.4
PH (when mixed with water)	13
Compressive Strength	50 Mpa @ 7 days
Working time (20 °C, 50%RH)	1 minute
Hardening time (20 °C, 50%RH)	2 minutes

CURING

Krystol Plug develops significant heat during the hardening process and is prone to rapid drying. Protect the application from rapid drying by repeatedly misting with water for at least 48 hours. Protect against freezing temperatures for at least 24 hours.

SHELF LIFE

Krystol Plug has a minimum shelf life of 24 months for sealed pails, and 4 months for open and properly re-sealed pails.

SAFETY

- Before using or handling, read the Material Safety Data Sheet for this product.
- Krystol Plug powder becomes caustic when mixed with water or perspiration. Take appropriate safety precautions to prevent contact with skin or eyes and to prevent breathing dust.



Technical Data Sheet

Technical Data Sheet 701