

TECHNICAL DATA SHEET

Concrete Repair



Krystol Plug™

Product Code: K-620

DESCRIPTION

As part of the Krystol Leak Repair System, Krystol Plug is a rapid-setting hydraulic cement product that when mixed with water is used to stop flowing water and repair leaking cracks, holes and joints in concrete. Krystol Plug sets hard within 2 minutes and has high-compressive strength, which allows it to stop water even under high-hydrostatic pressure. Stopping water flow then allows permanent repair of the leak using Krystol technology.

Krystol Plug is mixed with water and immediately, and firmly, pressed into a prepared chase to stop flowing water. After stopping the water, Krystol Repair Grout is used to introduce Krystol technology to the leak repair. When applied to concrete, Krystol chemically reacts with water and un-hydrated cement particles to form insoluble needle-shaped crystals that fill capillary pores and micro-cracks in the concrete and block the pathways for water and waterborne contaminants. Any moisture introduced over the lifespan of the concrete will initiate crystallization, ensuring permanent waterproofing protection.



FEATURES & BENEFITS

- Can stop extreme leaks
- Works where all other products fail
- 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
- Does not contain any chlorides
- Safe for drinking water applications

RECOMMENDED USES

- Use as part of the Krystol® Leak Repair System to repair leaking cracks, joints and holes
- Provides impervious, non-shrinking seal to prevent seepage around pipes and metal fixtures in masonry and concrete

PROPERTIES

<u>Physical Properties</u>	
Appearance	Dark gray powder
Bulk density g/cm3 (lb. /cu. ft.)	1.4 (88)
pH (when mixed with water)	12
<u>Plastic Properties</u>	
Working time (20°C/ 68°F, 50% RH)	1 minute
Hardening time (20°C/ 68°F, 50% RH)	2 minutes
<u>Hardened Properties</u>	
Compressive strength	> 40 MPa (5800 psi) @ 7 days.

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APPLICATION

For use as part of the Krystol Leak Repair System, read and distribute **Application Instruction 5.12 — Waterproofing Cracks, Holes and Joints before using this product.** 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. Air and surface temperatures must be at least 4 °C (40 °F).

Drawings and Specifications:

For section drawings, CAD details and specification language related to this product, visit www.kryton.com/technical-info/ or contact your authorized Kryton representative.

LIMITATIONS

Krystol Plug is effective for rigid structures only and may not reliably seal cracks that experience variable loading or repeated movement. Consult a Kryton representative for project specific recommendations.

SAFETY

Read the Safety Data Sheet (SDS) for this product. For professional use only. This product becomes caustic when mixed with water or perspiration. Avoid contact with skin or eyes. Avoid breathing dust. Wear long sleeves, safety goggles and impervious gloves.

PACKAGING

Krystol Plug is available in 5 kg (11 lb.) and 25 kg (55 lb.) resealable pails.

SHELF LIFE

When stored in a dry enclosed area, Krystol Plug has a shelf life of at least 2 years for unopened pails.