

Hydropel™ Grout

(Repair Grout for Above Grade Concrete)

Product Code: K-710

DESCRIPTION

Hydropel Grout is a non-shrink waterproof grout that is used to repair surface cracks in the concrete or mortar. Specially formulated with Kryton's proven Krystol® technology, Hydropel Grout form millions of needle-shaped crystals that grow in all directions to fill any capillary pores or cracks when it is combined with water. Hydropel Grout is used in conjunction with Hydropel Coating and Hydropel Sealer as part of the Hydropel Restore & Protect System™. The system is intended for above grade concrete or mortar surfaces (i.e., concrete exposed to minimal hydrostatic pressure) and has been designed to extend the lifespan of aging infrastructure and buildings.

FEATURES

- Extends the lifespan of aging concrete infrastructure and buildings as part of the Hydropel Restore & Protect System
- Enhances durability by preventing freeze thaw degradation and corrosion of embedded steel
- Provides even substrate color and smoothness
- Does not require any specialized equipment
- Easy to install by trained applicators
- Can be applied to damp concrete
- Repairs and waterproofs cracks
- Experiences high early strength and good bonding ability
- Does not show through Hydropel Coating
- Reactivates in the presence of moisture

KEY BENEFITS

- Delivers a permanent solution
- Increases durability, decreasing building maintenance and repair costs
- Improves aesthetics by maintaining the original appearance for lasting attractiveness
- Superior performance enhancing your reputation for high quality work
- Easy-to-use system that decreases the application costs
- Increases environmental sustainability by extending the lifespan

RECOMMENDED USES

Use Hydropel Grout to fix any defects in the substrate, such as honeycombing, cracks, or holes and follow with one coat each of Hydropel Coating and Hydropel Sealer as part of the Hydropel Restore & Protect System to:

- Extend the lifespan of aging concrete infrastructure such as hydroelectric facilities and transportation structures
- Restore and protect aging concrete buildings such as churches, mosques, and any other concrete or mortar rendered finish



PHYSICAL PROPERTIES

Appearance	Gray powder
Bulk density g/cm ³ (lb. /cu. ft.)	1.3 (81)
pH (dissolved in water)	12

PLASTIC PROPERTIES

Working time (23 °C, 50% RH)	15-20 minutes
Hardening time (23 °C, 50% RH)	2-4 hours

HARDENED PROPERTIES

Compressive strength (ASTM C109):	15 MPa (2,200 psi) @ 3 days 25.5 MPa (3,700 psi) @ 7 days
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APPLICATION

Hydropel Grout is part of the Hydropel Restore & Protect System – Read and distribute Application

Instruction 8.11 – Restoring Above Grade Concrete before using this product. Fix any defects in the substrate such as honeycombing, cracks, or holes using Hydropel Grout. Using a sharp 25 mm (1 in.) wide chisel, open all cracks to a minimum depth of 13 mm (0.5 in.). The resulting chase should be rectangle shaped and 25 mm wide by 13 mm deep (1 in. by 0.5 in.). Mix Hydropel Grout with cool, clean water in the ratio of one part water to approximately 4 parts Hydropel Grout. Bring the surface to an SSD condition and apply Hydropel Grout using a trowel or float. Prevent the repair from drying out by misting with water for at least one day. The coverage is approximately 40 m (130 ft.) of crack repair per 18 kg pail. Follow with one coat of Hydropel Coating and one coat of Hydropel Sealer.

LIMITATIONS

Hydropel Restore & Protect System is effective for rigid structures only and may not reliably resist water for structures that experience variable loading or repeated movement. Consult a Kryton representative for project specific recommendations.

SAFETY

Read the Material Safety Data Sheet (MSDS) 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

- 18 kg (40 lb.) resealable pails



SHELF LIFE

Hydropol Grout has a minimum shelf life of 24 months for unopened pails, and 4 months for properly resealed pails.

WARRANTY

Kryton International Inc. (Kryton) warrants that Kryton products are free from manufacturing defects and comply with the specifications given in their respective technical data sheet. Because conditions of use, such as site conditions, surface preparations, workmanship, concrete ingredients, weather, structural issues and other factors are beyond the control of Kryton, no warranty can be given as to the results of use. Purchaser agrees to seek the advice of qualified professionals and to determine for themselves the suitability of the products for their intended purpose and assumes all risks. Purchaser's sole remedy is limited to replacement of any product proven defective or at Kryton's option refund of the purchase price paid. THIS LIMITED WARRANTY CONTAINS THE ENTIRE OBLIGATION OF KRYTON. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. KRYTON SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. No representative of Kryton has the authority to make any representations or provision except as stated herein. Kryton reserves the right to change the properties of its products without notice.