



# Hydrostop™ Grout

(Repair Grout for Above Grade Concrete)

Product Code: K-710

## DESCRIPTION

Hydrostop 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, Hydrostop 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. Hydrostop Grout is used in conjunction with Hydrostop Coating and Hydrostop Sealer as part of the Hydrostop 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 Hydrostop 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 Hydrostop 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 Hydrostop Grout to fix any defects in the substrate, such as honeycombing, cracks, or holes and follow with one coat each of Hydrostop Coating and Hydrostop Sealer as part of the Hydrostop 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 <sup>3</sup> (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

**Hydrostop Grout is part of the Hydrostop 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 Hydrostop 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 Hydrostop Grout with cool, clean water in the ratio of one part water to approximately 4 parts Hydrostop Grout. Bring the surface to an SSD condition and apply Hydrostop 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 Hydrostop Coating and one coat of Hydrostop Sealer.

### LIMITATIONS

Hydrostop 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**

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

### **WARRANTY**

Kryton International Inc. warrants that its products are free from manufacturer's defects and, when applied in accordance with the current specification and application instructions, will perform as so stated in its product literature. Because methods and conditions of use are beyond the control of Kryton, no guarantee, expressed or implied can be given as to the results of application. Liability of Kryton shall be limited to replacement of materials proved defective or, at its option, refund of the purchase price of the product.