



Hydrostop™ Grout

Product Code: K-710

DESCRIPTION

Hydrostop™ Grout is a non-shrink waterproof grout that contains Krystol® technology and is used to repair surface cracks in the concrete or mortar. The active ingredients in Hydrostop Grout combine chemically with water and concrete to form millions of needle-shaped crystals that grow in all directions to fill any capillary pores or cracks that might otherwise allow water to pass. 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
- Contains proven Krystol waterproofing technology
- Protects reinforcing steel against corrosion
- Experiences high early strength and good bonding ability
- Does not show through Hydrostop Coating

TYPICAL APPLICATIONS

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 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
Specific gravity:	1.3 g/cc
pH (when mixed with water):	12
Working time (field conditions: 23°C, 50% RH):	15-20 minutes
Hardening time (field conditions: 23°C, 50% RH):	2-4 hours
Compressive strength (ASTM C109):	3 days: 15 MPa (2,200 PSI) 7 days: 25.5 MPa (3,700 PSI)

APPLICATION

Read Application Instruction 450 before proceeding.

Fix any defects in the substrate such as honeycombing, cracks, or holes using Hydrostop Grout. Using a sharp 25 mm (1 inch) wide chisel, open all cracks to a minimum depth of 13 mm (½ inch). The resulting chase should be rectangle-shaped and 25 mm wide by 13 mm deep (1" by ½"). 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. Follow with one coat of Hydrostop Coating and one coat of Hydrostop Sealer.

CURING

Prevent the application from drying out by misting with water for at least one day.

COVERAGE

The coverage is approximately 40 m (130 ft.) of crack repair per 18 kg pail.

SAFETY

This material is a dry powder that 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. See the Material Safety Data Sheet for this product.

PACKAGING

18 kg (40 lbs.) pails

SHELF LIFE

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