



At the Lab. In the Field.
By Your Side.

KRYSTOL WATERSTOP SYSTEM™

WALL-WALL (EXTERNAL METHOD)



CONCRETE
WATERPROOFING

TECHNICAL BULLETIN #104

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QUESTIONS: 1-800-267-8280 or www.kryton.com

SCOPE

Technical Bulletin #104 details the procedures to be followed to properly install the **Krytol Waterstop System™** using the External Method of application to concrete construction joints. The Krytol Waterstop System is installed in place of other less reliable joint systems and allows for flexible scheduling and easy inspection.

WHERE TO USE

Follow these instructions at construction joint locations such as slab-to-slab and wall-to-wall joints. For slab-to-wall intersections, it is recommended that Technical Bulletin 103 be followed. These joint designs are for non-moving joints only. For moving joints, use an engineered expansion joint.

SAFETY PRECAUTIONS

For professional use only. These products contain cement powder and will become caustic when mixed with water or perspiration. Avoid contact with skin and eyes. Wear protective clothing including goggles, impervious gloves and long sleeves. See the material safety data sheets for these products.

MATERIALS AND COVERAGE

- Krytol Waterstop Grout™ (EXTERNAL):
6.6 lbs/yd (3.33 kg/m) = 25ft (7.5m) per 55lbs (25kg) pail
- Krytol Waterstop Treatment™:
0.5 lbs/yd (0.25 kg/m) = 330ft (100m) per 55lbs (25kg) pail
- Clean water supply

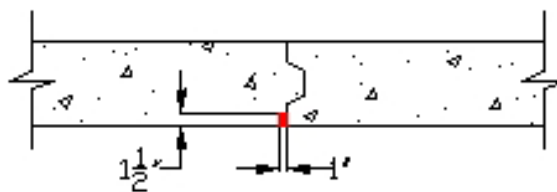
TOOLS

- Mixing bucket, drill and paddle
- Natural bristle concrete brush
- Margin trowel
- Watering can and towel

SURFACE PREPARATION

1. Concrete surfaces to receive waterstop materials must be sound, clean and free of contaminants and debris. Remove any form oils, release agents, curing compounds, sealers or hardeners.
2. **VERY IMPORTANT:** Surfaces to be treated must be brought to a saturated/surface-dry (SSD) condition. This means that the pores of the concrete are completely saturated with water but no free water remains at the surface. Pre-soak the surface with water then remove excess water with a towel just before applying the Krytol Waterstop Grout or Treatment.

WALL TO WALL/ TOP VIEW



STEP 1: APPLY TREATMENT TO CONTACT AREA WHERE TWO POURS WILL MEET

1. Ensure the area is pre-soaked with clean water to a saturated surface dry (SSD) condition. Leave no standing water.
2. Mix TREATMENT to a thick slurry consistency (5 parts powder to 2 parts clean water by volume).
3. Apply TREATMENT coat to the intended joint area of the existing concrete using a concrete brush. Employ a circular, scrubbing motion so as to achieve maximum adhesion and penetration.
4. Apply TREATMENT at a spread rate of 5 square feet per pound (1kg/square meter). Be sure to cover the entire contact area of the joint.
5. Protect the application from damage by rain, rapid drying or freezing for at least 48 hours or until concrete is poured over it.

TECHNICAL BULLETIN

