

## PART 1 - GENERAL

### 1.01 SCOPE OF WORK

- A. Furnish all necessary labor, material, and equipment for complete installation of Waterguard moisture protection device as shown on drawings and/or specified herein.

### 1.02 SECTION INCLUDES

- A. Waterguard (1/2" tall)
- B. Waterguard Plus (1 3/4" tall)
- C. Waterguard XT (3 1/2" tall)

### 1.03 REFERENCES

- A. American Society for Testing and Materials (ASTM)
- B. National Building Code of Canada (NBC)
- C. National Fire Protection Association (NFPA)
- D. Underwriters Laboratory (UL)
- E. Underwriters Laboratory of Canada (ULC)
- F. Uniform Building Code (UBC)

### 1.04 SYSTEM DESCRIPTION

- A. Performance Requirements: Moisture guard system that conforms to the following requirements of regulatory agencies and the quality control of Waterguard LLC.

### 1.05 SUBMITTALS

- A. Product Data: Manufacturer's printed product data for each type of moisture guard specified.
- B. Samples: Verification samples of moisture guard, 6" (152.4mm) long profiles of each type to be used.
- C. Manufacturer's Installation Instruction: Printed installation instructions for moisture guard.

### 1.06 DELIVERY, STORAGE AND HANDLING

- A. Waterguard is packed in 8" x 8" x 48" cardboard boxes bearing the product name, size, number of pieces, and is palletized for shipment as required.
- B. Inspect materials at delivery to assure that specified products have been received.
- C. Prior to installation, Waterguard is to be stored in original packaging in a location protected from excessive heat, cold, or wet weather.
- D. Deliver materials in unopened factory packaging to the jobsite

## PART 2 - PRODUCTS

### 2.01 MANUFACTURER

- A. Acceptable Manufacturer:  
Waterguard, PO Box 5223 Kingwood, TX 77325 USA;  
Telephone: 800.653.8785, [www.KeepsDrywallDry.com](http://www.KeepsDrywallDry.com)  
or [www.Waterguard-USA.com](http://www.Waterguard-USA.com).
- B. Substitutions: Not permitted

### 2.02 MANUFACTURED UNITS

- A. Waterguard: 1/2" (12.7mm) height x 1/2" (12.7mm) depth OR 1/2" (12.7mm) height x 5/8" (15.875mm) depth Moisture Guard Profile
- B. Waterguard Plus: 1 3/4" (44.45mm) height x 1/2" (12.7mm) depth OR 1 3/4" (44.45mm) height x 5/8" (15.875mm) depth Moisture Guard Profile
- C. Waterguard XT: 3 1/2" (88.9mm) height x 1/2" (12.7mm) depth OR 3 1/2" (88.9mm) height x 5/8" (15.875mm) depth Moisture Guard Profile

### 2.03 MATERIALS

- A. Waterguard shall conform to all the requirements established in ASTM Specification C1047, D3678 Class 2, D3679, and ASTM D4216 developed in cooperation with the industry and published by the American Society for Testing and Materials. Manufacturer shall maintain rigorous production quality control standards to assure that Waterguard building products will perform as expected for their intended use.
- B. **Typical Compound Properties:** Waterguard is produced from PL8829: Poly Vinyl Chloride (PVC) compound meeting the requirements of ASTM C1047, D3678 Class 2, D3679, and ASTM D4216 with the following manufacturing and product specifications:  
Test Criteria: Typical Properties  
Izod Impact (ASTM D256): 16.0  
Tensile Strength (ASTM D638): 6,400 psi  
Tensile Modulus (ASTM D638): 360,000 psi  
Flexural Yield Strength (ASTM D790): 12,000 psi  
Flexural Modulus (ASTM D790): 400,000 psi  
DTUL at 264 psi (ASTM D648): 67  
ASTM Cell Classification: D1784 / 16343
- C. **Self-Extinguishing:** Provide moisture guard with a UL90-VO classification.
- D. **Fungal and Bacterial Resistance:** Provide rigid vinyl moisture guard that does not support fungal or bacterial growth.

## PART 3 - EXECUTION

### 3.01 EXAMINATION

- A. Examine areas and conditions in which the moisture guard will be installed.
  1. Complete all framing operations in the applicable area before beginning installation of moisture guard.
  2. Review other materials interacting with moisture guard including wallboard materials, wall panel and wainscot systems, door frame assemblies, finish base materials, etc.
- B. Floor surface shall be dry and free from dirt, grease, and loose materials.

### 3.02 PREPARATION

- A. General: Prior to installation, clean floor surface to remove dust, debris, and loose particles.
- B. Mock-ups: Prepare mock-up of outside corner condition including: wallboard, Waterguard, corner bead, and finished base material ensuring clean acceptable fit and finish at corner between finished wall and base.
- C. Mock-ups: Prepare mock-up of wall to door frame condition including: wallboard, Waterguard, door frame, and finished base material ensuring clean acceptable fit and finish at door frame.

### 3.03 INSTALLATION

- A. Place opened carton of approved Waterguard in staging area near point of installation beside drywall stack/dolly.
- B. With Gypsum drywall sheets placed flat on stack or standing on drywall dolly; remove paper shipping tape joining ends of drywall panels and slide the top panel (with face up or out) such that the lower edge (edge to be placed against the floor) protrudes 3-4" from the remaining panels.
- C. Hold one 4' section of Waterguard with hands placed approximately 12" from each end with open section facing away from you and short leg up against thumbs (see figure 1). Note: If a narrower section of drywall is being installed, cut Waterguard to length now using a utility knife or hacksaw.
- D. Position Waterguard perpendicular to finish face of drywall panel with the upper face of the long leg of Waterguard placed flush against bottom edge of drywall panel and the top edge of the short leg of Waterguard placed against the finish face of the drywall panel (see figure 2).
- E. Align ends of Waterguard with edges of drywall panel.
- F. While applying a light and constant pressure towards the drywall panel, rotate the Waterguard strip rolling it around and onto the bottom edge of the drywall panel (see figure 3). Note: concentrate pressure on the short leg of Waterguard and against drywall so that short leg grips the face of drywall during rotation.
- G. Tap the lower edge of Waterguard as needed to ensure that it is well seated on the drywall panel.
- H. Lift and set panel into place ensuring Waterguard is snug against floor track and screw drywall to studs as required (see figure 4). Note: do NOT lift and rotate panel upwards or walk into place by standing the panel on its' corner(s) else you will damage the ends of Waterguard.
- I. At exposed outside corners; take care to cut and lap Waterguard flush with adjacent panels so that corner beads may be extended to floor.
- J. No additional screws, glue, or caulk are required unless otherwise specified except on 2-Hour fire rated walls--once the wall assembly is constructed, place a bead of caulk (latex, acrylic, silicone, polymer, or similar materials – **not** necessarily listed "fire caulk") at floor level against the outer most layer of Waterguard.
- K. Go to [www.KeepsDrywallDry](http://www.KeepsDrywallDry) for installation video illustrating the above.

END OF SECTION

