

## METHOD OF STATEMENT FOR APPLICATION OF MYPROOF SLURRY WP TO TOILET FLOOR

### 1. Purpose

- 1.1. The purpose of this document is to establish uniform procedures for applying the Myproof Slurry WP.
- 1.2. The techniques involved may require modifications to adjust to job-site conditions. Consult your MyChem representative for specific design requirements.

### 2. Scope

- 2.1. This document will provide the necessary instruction for the application of Myproof Slurry WP to qualify for the manufacturer's product warranty.

### 3. Substrate Condition and Surface Requirements

- 3.1. Concrete shall be water cured and in place for at least 14 days, preferably for 28 days.
- 3.2. All horizontal surfaces (base and topping) to be waterproofed shall be graded to fall towards discharge outlets before proceeding with application of waterproofing coating. Waterproofing coating shall NOT be applied onto a level surface not graded to fall unless specified otherwise.
- 3.3. Surface to receive waterproofing coating shall be clean and free of all dirt, dust, oil, grease, wax, tar, mildew, mold, paint, sealer, coating, curing agent, loose particle, laitance and other contamination or foreign matter which may interfere with the adhesion of the waterproofing coating.
- 3.4. The surface profile to receive waterproofing coating shall fulfill CSP 1 to CSP 3 standard.
- 3.5. The position and detail of any construction joints shall be to the approval of the E.R. and shall be so arranged as to minimize the possibility of the occurrence of the shrinkage cracks.

### 4. Execution

#### 4.1. Surface preparation

- 4.1.1. Prepare all surfaces to receive waterproofing coating accordance with manufacturer's instruction and recommendations.
- 4.1.2. Ensure that concrete and masonry surfaces are properly cured, clean and free of dirt, dust, oil, grease, wax, tar, mildew, paint, sealer, coating, curing agent, loose particle, laitance and other irregularities and foreign matters which could be detriment to application and adhesion of the waterproofing coating to the substrate to be waterproofed.
- 4.1.3. Remove all mortar splatter, fins, rough, protrusions, ridges, penetrations, or sharp projections on the surface of concrete, and all protrusions shall be ground smooth or otherwise made smooth, in additional to the normal surface preparation.

- 4.1.4. In the event of exposed reinforcing steel, all exposed metal surface shall be clean. Remove oil, paint, rust, scales, or any other foreign matter with wire brush. Clean metal surface may treat and apply appropriate primer recommended by waterproofing manufacturer.
- 4.1.5. Void, honeycomb, bug holes, rock pocket, surface pitting and spelled surface shall be filled and patched to smooth surface. All treatment to concrete surface shall be carried out with cementitious polymer mortar, approved and accordance with manufacturer's instruction and recommendations.
- 4.1.6. Surface irregularities, excessive roughness shall be repaired prior to the application of waterproofing coating with cementitious polymer leveling compound, approved and accordance with manufacturer's instruction and recommendation.
- 4.1.7. Shrinkage cracks, any non-moving hairline cracks (1.6mm) or less shall be treated with a coat of cementitious coating application. Shrinkage cracks on the concrete surface, which are 3mm wide or greater shall be ground out to a minimum 6mm wide x 12mm deep and treated with Mygrout GP accordance with manufacturer's instruction and recommendation.
- 4.1.8. Structural cracks regardless of wide, which involve of cold joint, construction joint or another moving joint, shall be ground out to a minimum 6mm wide x 12mm deep. All performance filler in joint is to be removed to a depth of 25mm below slab surface. Appropriately sized closed cell joint bickering is to be installed. These joints are to be caulked with sealant, approved and accordance with manufacturer's instruction and recommendation.

## **4.2. Detail Works**

### **4.2.1. Angle Filler**

At all the horizontal and vertical surface junctures, upturns, projections (pipes, sleeves, drains, vents etc.), wherever a vertical surface or protrusion exists (parapet wall or other projection which penetrate up to slab), a 45° cement sand angle filler shall be installed to reduce the tension of the waterproofing coating in the transition.

### **4.2.2. Cement Sand Filler**

Mix cement and sand (ratio 1:3) with bonding latex, apply appropriate filler accordance with manufacturer's instruction and recommendation.

4.2.3. Fill void, honeycomb, bug holes, rock pocket, surface pitting and spelled surface with Mygrout GP. All repairs to concrete surface shall be carried out with Mygrout GP accordance with manufacturer's instruction and recommendations.

4.2.4. Repair of surface irregularities, excessive roughness shall be repaired prior to the application of waterproofing coating with Mygrout GP cementitious polymer compound with Mymix 318 latex accordance with manufacturer's instruction and recommendation.

4.2.5. Shrinkage cracks, any non-moving hairline cracks (1.6mm) or less shall be treated with a coat of cementitious coating application. Shrinkage cracks on the concrete surface, which are 3mm wide or greater shall be ground out to a minimum 6mm wide x 12mm deep and treated with Mygrout GP accordance with manufacturer's instruction and recommendation.

- 4.2.6. Structural cracks regardless of wide, which involve of cold joint, construction joint or another moving joint, shall be ground out to a minimum 6mm wide x 12mm deep. All performance filler in joint is to be removed to a depth of 25mm below slab surface. Appropriately sized closed cell joint bickering is to be installed. These joints are to be caulked with polyurethane sealant accordance with manufacturer's instruction and recommendation.
- 4.2.7. All projections (pipes, sleeves, drains, vents etc.) may treat with appropriate primer and allow to dry tack-free. Apply an appropriate sealant filler with polyurethane sealant accordance with manufacturer's instruction and recommendation.
- 4.2.8. Allow detail works application to cure accordance with manufacturer's instruction prior to general application of waterproofing coating.

### **4.3. Mixing**

- 4.3.1. The mixing ratio of the Myproof Slurry WP is (1:4) by weight, mix 1 part of Part A (Liquid) with 4 parts of Part B (Powder) accordance with manufacturer's instruction and recommendations.
- 4.3.2. Mix ingredients accordance with manufacturer's instruction. Do not over mix. Mix adequately and uniformly. Power mixing shall be utilized. Power mixing shall be using a slow speed (500-600 rpm) heavy-duty electric drill with a suitable paddle, add dry ingredients gradually to the liquid and mix until homogenous and slump free slurry is obtained and settle down before application.
- 4.3.3. THE MIXTURE SHALL BE USED UP WITHIN THE RECOMMENDED TIME. Discard unused mixture that had begun to set. DO NOT restore cured mixture with addition liquid and dry ingredients.

### **4.4. Application**

- 4.4.1. Preparation and application of the waterproofing coating shall be accordance with manufacturer's directions and instructions.
- 4.4.2. The Myproof Slurry WP flexible cementitious waterproofing system **MUST** be done in at least two coats application. It is recommended to keep each coat at a wet film thickness at 1mm and no more than 1.5mm.
- 4.4.3. Apply by bristle brush, broom, or roller the first coat slurry at the rate of 1 kg/m<sup>2</sup> and allow the first coat to dry between 2 to 4 hours before applying the second coat. The drying time will be affected by the environmental and weathering factors.
- 4.4.4. Apply the second coat at the rate of 1 kg/m<sup>2</sup> in the alternate horizontal and vertical cross direction of the first coat.
- 4.4.5. For skirting area, it is recommended to apply full height of the parapet wall. (Please refer to architect final recommendation)

#### **4.5. Flood Test**

- 4.5.1. When flood test on the installed waterproofing system is require. Flood test the horizontal and vertical area with clean water for the period of 24 hours after the waterproofing system has completely cured for 3 to 5 days.

#### **4.6. Curing**

- 4.6.1. The finished waterproofing system must be protected from rapid drying. Curing shall be at least 48 hours before trafficking, to maintain and yield optimum strength.

#### **4.7. Screed**

- 4.7.1. Apply the protective screed by follow the site design requirement.
- 4.7.2. Allow the screed to cure completely.

#### **4.8. Clean Up**

- 4.8.1. Clean all adjacent areas to remove any stains or spills with water.
- 4.8.2. Clean tools or equipment with water before materials cure and harden.

The information and recommendations relating to the application and end-use of the product are given in good faith and based on tests which we believe to be reliable. However, no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship, whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. No guarantee of their accuracy can be made because of the great range of field conditions and variation encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with limited warranty only, and on condition that purchasers will make their own tests to determine the suitability of the product for their purposes. Under no circumstances will Mychem be liable to anyone except for replacement of the products or refund of the purchase price.