

# **WATER-STOP UV GRAY**

## **WATER-BASED ACRYLIC EMULSION COATING**

### **GENERAL DESCRIPTION**

Emecole Metro Water-Stop UV Gray is a water-based waterproofing membrane that can be applied to any poured foundation wall. Its formulation sprays easily, producing a flexible, seamless seal that resists freeze-thaw cycles.

### **EQUIPMENT**

For above and below grade exterior/interior concrete and masonry surfaces.

Emecole Metro Water-Stop UV Gray can be used as a spray only or as part of a system, when applied below-grade.

### **BELOW-GRADE SYSTEM COMPONENTS**

A system is comprised of the membrane and one of the Emecole Metro Drainage Products. NOTE: No drainage product is required when used above-grade.

### **ADVANTAGES**

- UV resistant
- Excellent color stability
- Excellent weatherability and flexibility
- Durable against salt spray and acid rain
- Can also be used on cinder block, stucco, steel, wood and galvanized metal

### **LEEDS DATA**

Is considered a GREEN product and can be used towards LEEDS building credits.

### **PACKAGING**

5 gallon buckets.

### **APPROXIMATE USAGE**

Usage will vary depending on the porosity and roughness of the surface.

## **EQUIPMENT**

Use of a 3300 psi sprayer with a 727 spray tip is recommended.

## **CURE TIME**

Per Coat - Full cure is 24 hours

## **REQUIRED PREP**

Read and carefully follow the instructions contained on this Product Data Sheet.

For best results, Emecole Metro Water-Stop UV Gray should be spray applied to sound, clean dry, smooth surfaces.

Surface defects such as cracks, holes or cavities should be filled and finished flush with Hydraulic Cement or Portland Cement. Voids in surfaces are to be filled to create a smooth, slightly porous surface.

## **BELOW-GRADE POURED WALL APPLICATION**

Should be applied at a rate of 40 square feet per gal.

Coating should be sprayed to achieve a continuous membrane at the required 40 mil dry thickness.

Check for thin spots and voids in the spray application. Re-spray any areas as necessary to obtain proper mil thickness.

Termination of below-grade application should be at grade level.

## **DRAINAGE BOARD APPLICATION**

May be used in conjunction with Emecole Metro Dimple Board for Exterior Drainage.

## **BACKFILLING**

Backfilling should begin no sooner than 24 hours after the membrane application or backfill immediately when applying a drainage product as part of the system.

Backfill material should be free of debris, organic material, boulders, rocks, concrete block debris or any other harmful material not considered suitable fill.

## **ABOVE-GRADE POURED WALL APPLICATION**

Spray or Roll:

Product should be applied at a rate of 40 square feet per gallon.

Coating should be sprayed to achieve a continuous membrane at the required 40 mil dry thickness.

Check for thin spots and voids in the spray application. Re-spray any areas as necessary to obtain proper mil thickness.

Cover and protect any areas where product is not desired.

## **CLEAN UP**

Use Xylene. It is best to remove material from equipment before set up. If allowed to dry in equipment, material will be difficult to remove.

## **PRODUCT HANDLING/STORAGE**

- Do not thin
- Do not use near open flame
- Avoid breathing solvent fumes
- Avoid prolonged contact with skin

## **SPECIFICATIONS**

- Material - 100% virgin polymer
- Color - Gray
- Water Solubility - No blistery or re-emulsion (ASTM D-2939)
- Coverage Rate - 2.5 gal/100ft<sup>2</sup>
- Weight / Gallon - 8.8 lbs.
- Film Thickness - Dry: With Board 60 mil (1.5mm) min.
- Low Temperature Flexibility - No Cracking (at -15 deg. F.) (ASTM C-719)
- Elongation - 1800% (at 70 deg. F, 21 deg. C) (ASTM D-412 Die C)
- Resistance to Water Flow -Bond strength not affected
- Total Solids - 59%
- Resistance to Hydrostatic Pressure - Water leaks: None, Weight Gain: None
- Shelf Life - 1 year (unopened)
- Initial Dry Time - 4 to 6 hours
- Total Cure Time: 24 hours
- Tensile Strength - 350 psi min. (ASTM C-719)
- Permeability - 0.013 perm
- Crack Bridging - 10 cycles without bond failure (ASTM C-836)
- Solids by weight - 59%
- Hardness Shore A - 65
- Tensile Strength - 350 psi
- Vapor Transmission - 0.25
- Water Absorption (7 days) - 0.4%
- Water Vapor - Transmission: 0.11 grains/sf/h, Permeability: 0.13 perms (13 ng/(Pa x s x m<sup>2</sup>))
- VOC - 2.8 g/l
- Can be applied using a roller or spray equipment