

# MASTERSPEC

## EPROSIL

### Section 07180 – Water Repellent

#### 1. PART 1 GENERAL

##### 1. SCOPE

- A. Water repelling, penetrating coating applied to exterior and interior masonry, concrete, and cement plaster surfaces.

##### 1. QUALITY ASSURANCE

- A. Perform work in accordance with manufacturer's printed instructions.

Maintain one copy of document on site.

##### 1. QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacture of water repellent coatings with five years minimum experience.

Applicator: Certified and approved by manufacturer.

##### 1. SUBMITTALS

- A. Submit product data information.

Include details of product description, tests performed, limitations to coating, cautionary procedures required during application, and chemical properties

Submit manufacturer's installation instructions.

Submit manufacturer's certificate that products meet or exceed specified requirements and that their application was according to manufacturer's recommendation.

Submit manufacturer's certificate that products supplied comply with local regulations controlling the use of volatile organic compounds (VOC).

Submit manufacturer's test and inspection reports.

##### 1. PRE-INSTALLATION CONFERENCE

- A. Convene a pre-installation conference one week prior to commencing work of this Section.

Review installation procedures and coordination required with related work.

- 1. FIELD SAMPLE

- A. Apply coating to 24 sq. ft area of each surface to be waterproofed where directed by Architect.

- 1. WARRANTY

- A. Provide manufacturer's 5-year warranty for materials.

- 1. REGULATORY REQUIREMENTS

- A. Comply with all current federal, state, and local volatile organic compound (VOC) regulations.

- 1. ENVIRONMENTAL REQUIREMENTS

- A. Do not apply coating when ambient temperature is lower than 0 degrees F or higher than 90 degrees F or when substrate is frozen.

- 1. PART 2 PRODUCTS

- 1. ACCEPTABLE MANUFACTURERS

- A. EPRO Services, Inc. 800-882-1896.

- 1. MATERIALS

Specific Gravity	0.81	
Appearance	Clear	
Solids By Volume		
Regular	5%	
Extra Strength	12%	
Super	18%	
Concentrate	30%	
TYPICAL CURED PROPERTIES		
Initial Cure		1 Hour
Final Cure		24 Hours (depending on substrate)
Elongation	ASTM D 412	415%
Tensile Strength	MPa-ASTM D 412	270 psi
Perm Rate		7.06
Durometer Hardness	ASTM D 676, Shore A	32
Brittle Point	ASTM D 746	-73°C
Accelerated Weathering	ASTM G 23 (10,000 Hrs.)	No Change

A. EPROSIL, a hydrocarbon-based polydimethyl siloxane with the following specifications:

## 1. PART 3 EXECUTION

### 1. INSPECTION

- A. Verify joint sealants and/or repairs (cemetitious or other) are installed and cured.

Verify surfaces to be coated are dry, clean, and free of efflorescence, oil, or other matter before application of coating.

Beginning of installation means acceptance of substrate.

### 1. PREPARATION

- A. Remove loose particles and foreign matter.

Remove oil or foreign substance with a cleaner, which will not affect coating.

Protect adjacent surfaces not scheduled to receive coating.

If applied on unscheduled surfaces, remove immediately, by approved method.

### 1. FIELD QUALITY CONTROL

- A. Field inspection and testing will be performed.

Manufacturer of water repellent coating shall provide the inspection services as required.

- 1. APPLICATION

- A. Delay work until substrate is cured a minimum of 48 hours.

Apply coating in one liberal spray application from the top down, chasing vertical and horizontal spray overlaps with a roller.

- 1. PROTECTION AND CLEANING

- A. Protect adjacent surfaces from damages and stains.

Clean materials from surfaces where inadvertently applied.  
Protect finished installation.