

# GET REAL SURFACES

Section 03 14 015

Precast Concrete Pavers for Pedestrian Traffic Areas

## Part 1 General

### 1.01 Summary

- A. Provide material necessary to furnish and install precast concrete pavers using method specified on the project drawings and outlined herein.

### 1.02 Installation Standards - Setting Methods

Follow Landscape/Site Plan by Design Architect for specified method of installation:

- A. "Mortar Type Installation" - installed on a sound, properly designed concrete slab on grade. Provide surface pitch to site drainage away.
- B. "Sand Set Installation" - installed on well graded, compatible sand (2"), over coarse aggregate sub-base (4") on undisturbed or designed landscape site material. Planned site drainage required.
- C. "Pedestal Installation" - for elevated pavers, on structurally designed rooftops or terraces where roof or floor drainage below paver surface is required. Follow manufacturers recommended installation practices. \* See pedestal manufacturers recommendations.

### 1.03 References - Testing

- A. ASTM C1194 Compressive Strength
- B. ASTM C78/ C78M-18 Flexural Strength
- C. ASTM C1028 Coefficient of Friction
- D. ASTM C666 Freeze Thaw                      12% Acrylic Admix in lieu of Air entraining
- E. ASTM C 1195 Absorption
- F. ASTM C1353 Abrasion Resistance

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### 1.04 Performance Requirements Results

- A. 6000 PSI Minimum @ 28 days FC
- B. 900-1200 psi Min.
- C. Min. .65
- D. Pass
- E. 6.0% Max. @ 28 days
- F. Wear Index: 18

### 1.05 Submittals

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements
- B. Product Data : Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.
- C. Shop drawings: Submit plan, section, elevation and perspective drawings as necessary to determine the required dimensions and placement location for each product specified as well as clarify the manufacturer's recommended installation, joinery and termination techniques.
- D. Selection samples: For each finish product specified, two samples representing manufacturer's full range of available colours and finishes.
- E. Verification samples: At the pre-construction meeting, provide two full sized samples representing each specified product, showing color and finish. Sample may be used within the Work specified in this section, provided no damage has occurred to it prior to or during installation.

### 1.06 Quality Assurance

- A. Manufacturer's Qualifications: All primary products specified in this section will be supplied by a single manufacturer with a minimum of ten (10) years experience.
- B. Installer Qualifications: All products listed in this section are to be installed by a single installer with a minimum of five (5) years demonstrated experience in installing products of the same type and scope as specified.

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C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.

1. Finish areas designated by Architect.
2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
3. Refinish mock-up area as required to produce acceptable work.

### 1.07 Preconstruction and Preparation

Sound site planning practices must be followed for a successful installation in all cases.

- A. Examine and verify that job conditions are satisfactory for speedy and acceptable work. Confirm delivery and site access is well planned with manpower and/or equipment for receiving materials expeditiously. 1 hour for unloading is standard.
- B. Custom pavers should be ordered and manufactured four to eight weeks prior to installation for optimum curing and color consistency, as well as to minimise the risk of shipping and handling damage.
- C. Confirm there are no conflicts between this work and work of other trades, and that the work of other trades that must precede this work has been completed.
- D. Cold-weather protection: Do not use frozen materials subjected to ice, frost, or in temperatures below 50 degrees. Do not build on frozen sub grade or setting beds. Remove or replace unit paver work damaged by frost or freezing.
- E. Lay out paver pattern in advance to predetermine cuts if necessary. Use design drawings on construction drawings.
- F. Design fixtures and furniture should incorporate non-metallic glides and casters to avoid floor damage by point loads, and discoloration.

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### 1.08 Warranty

- A. At project closeout, provide to Owner or Owners Representative an executed copy of the manufacturer's standard limited warranty against manufacturing defect, outlining its terms, conditions, and exclusions from coverage.
  - 1. Duration: Materials & Workmanship One (1) year from date of substantial completion. Structural performance Five (5) years from date of substantial completion.

### Part 2 Products

#### 2.01 Manufacturers

- A. Acceptable Manufacturer: Get Real Surfaces, Inc., which is located at 121 Washington Street, Poughkeepsie, NY 12601; 845-452-3988; 212-414-1620;  
[gb@getrealsurfaces.com](mailto:gb@getrealsurfaces.com); [www.getrealsurfaces.com](http://www.getrealsurfaces.com).
- B. Requests for submissions will be considered in accordance with provisions of section 01 6000- Product Requirements.

#### 2.02 Precast Concrete Paver Finishes

- A. Surfacing: Acidwashed, Full sand texture
- B. Paver edges to form a 1/8 inch radius

### Part 3 Execution

#### 3.01 Examination

- A. Examine substrates and conditions for compliance with requirements for installation tolerances and other conditions affecting performance of work.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

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### **3.02 Preparation**

- A. Clean surface thoroughly prior to installation.
- B. Prepare surface using the methods recommended by the manufacturer for achieving the best result for substrate under the project conditions.

### **3.03 Installation, General**

- A. Cutting, Fitting, and Installation. Perform cutting, drilling, and fitting required for installing precast concrete pavers. Set units accurately in location, alignment, and elevation, measured from established lines and levels.

### **3.04 Field Quality Control**

- A. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable; e if they are within one-half of the range approved samples. Noticeable variations in the same piece are not acceptable.

### **3.05 Protection**

- A. Protect installed products until completion of project.
- B. Protect finishes on exposed surfaces from damage during manufacture and installation.
- C. Touch-up, repair or replace damaged products before Substantial Completion.

**END OF SECTION**