



MOHAN'S PRECAST USA, INC.

95-28 150TH STREET

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## Precast Concrete Product Data

### **Product Data:**

Most commonly used for APC Base, Window Sills, Coping Stone, Headers, Keystones, Brick, and all other products which are manufactured under the precast specification. This product is also used in many other specialized decorative shape applications. Our material is used adjacent to and in conjunction with normal

### **Design:**

Shop drawings are submitted for verification of profiles, dimensions, and surrounding construction of Precast units. Recommended attachment details are indicated on the shop drawings. Attachment methods shown on shop drawings are suggestions only. It is the responsibility of the installer to meet all local building codes, verify job conditions and adjust installation procedures accordingly. Some site cutting and/or grinding of parts may be required to suit job conditions. Field shimming may be required.

### **Delivery: Storage: Handling:**

Precast units are crated or palletized at the plant. Crated units are delivered to the job-site via truck.

Store crated precast products on a level surface protected from weathering and damage. Do not unpack crates until immediately prior to installation.

Use special care to prevent damage to material surface; do not allow acidic materials to come in contact with surface, as degradation and discoloration can occur.

**Material Specs:****Cement**

Portland Cement: ASTM C 150, Type I/II White, containing not more than 0.60 percent total alkali when tested according to ASTM C 114.

**Course Aggregate**

Granite, quartz, or limestone complying with ASTM C 33; gradation as needed to produce required textures.

**Fine Aggregate**

Manufactured or natural sands complying with ASTM C 330, gradation as needed to produce required textures.

**Color**

Iron oxide pigments conforming to ASTM C-979. Amount of pigment shall not exceed 10% by weight of the cement used.

**Metakaolin**

MetaMax HRM manufactured by Englehardt or approved equal.

**Air Entraining Admixtures**

ASTM C 260, certified by manufacturer to be compatible with other required admixtures.

**Water**

Potable water free from impurities.

**Air Entrainment**

Wet cast mixture maintains 5-7% air entrainment where surfaces are exposed to freeze-thaw. Admixture conforms to ASTM C-260.

**Reinforcing Steel**

Carbon-Steel Shapes and Plates: ASTM A 36/A 36M. Carbon-Steel Headed Studs: ASTM A 108, AISI 1018 through AISI 1020, cold finished, AWS D1.1/D1.1M, Type A or B, with arc shields and with minimum mechanical properties of PCI MNL 117, Table 3.2.3. Conforms to ASTM 615 and deformations conform to ASTM M-305. Most common is M13 #4, Grade 60 rebar, and 1/4 inch HR round steel.