

Comparison Chart

Product	Material	Reinforced	Anchorage	Finish	Application
Cast Stone (04 72 00)	Finely graded Natural stone, sands Color pigment Portland cement	YES	Cast in Dowel holes Anchor slots Embedded hardware Threaded inserts	Fine Grain Texture Simulates Natural Cut Stone	Architectural trim, vener facing and ornamentation used in unit masonry construction
Architectural Precast (03 45 00)	Coarse aggregate Sand Color pigment Portland cement	YES	Cast in Weld plates Threaded inserts Slots Dowel holes	Exposed aggregate Form liners Sandblast Visible bug holes	Architectural panels columns spandrels and structural elements
Limestone (04 40 00)	Sedimentary rock of Calcium Carbonate And/ or magnesium	NO	Cut in Dowel holes slots	Fine Grain texture	Architectural trim, facing, ornamentation
Calcium Silicate (04 23 00)	Sand and Lime	NO	Cut in Dowel holes slots	Smooth Rocked Press Hammered Dressed	Architectural veneer facing usually limited to 2' long

Physical Properties Comparison Chart

Referenced Specifications from the American Society of Testing Materials and the Architectural Precast Association

* Not all compared products have ASTM requirements.



Product	ASTM	PSI (minimum)	Air Content Range	Absorption (maximum)	Freeze-thaw (durability)
Cast Stone	ASTM C 1364	6,500	Required for wet cast units	6%	5% loss or less @ 300 cycles
Architectural Precast	APA 03 45 00	5,000	As Required	6%	NOT REQUIRED
Limestone Grade II	ASTM C 568	4,000	NA	7.5%	NOT REQUIRED
Calcium Silicate	ASTM C 73	Grade: MW 3,500 SW 5,500	NA	14.0% * 11.6% *	NOT REQUIRED

* Assuming average density of 129 lbs/cf