



PRODUCT DATA SHEET

Piazza Stone SINGLE-COMPONENT CAST MIX

DESCRIPTION

Piazza Stone® Cast mix is a single-component, polymer-modified cementitious mix with superior compressive & adhesive strengths used for casting solid or clad EPS architectural shapes. Piazza Stone® Cast mix is modified to change the properties associated with brittle concrete or non-modified grouts. A specific blend of admixtures and special aggregates are incorporated to add strength and improve rheology enabling the fabricator to have greater ease of casting and finishing. Additionally, freeze/thaw cycles have little effect on the cementitious matrix due to the resistance of water permeability. Piazza Stone® Cast mix has a decreased water permeability that is far less than that of a non-modified cement-based matrix.

FEATURES

Piazza Stone® Cast mix produces a permanent, breathable, and extremely durable surface with uses ranging from residential to commercial to industrial. Piazza Stone® Cast mix can be colored integrally in an array of standard or custom colors or basic off-white without addition of any pigment at all. Piazza Stone® Cast mix may also be stained to produce a patina resulting in an even greater visual effect of aged stone.

APPLICATION/USE

Refer to installation/fabrication instructions for specific mixing requirements and application methods.

CERTIFICATIONS

Technical Evaluation Report TER 1909-03 Piazza Stone® Masonry Units
Florida Product Approval FL35386

TEST DATA

ASTM C1364, Standard Specification for Architectural Cast Stone

ASTM C1194 - Compressive Strength	6,850 PSI
ASTM C1195 - Absorption	2.7%
ASTM C426 - Linear Drying Shrinkage	0.15%
ASTM C666 - Freeze/Thaw	0.5%
ASTM C231 - Air Content	9.5%

Additional Testing

ASTM E488 – Strength of Anchors	Tensile 553lbs Shear 369lbs
Linear Thermal Expansion (ASTM E831-06)	3.165×10^{-6} in/in °F
Flexural Strength of Hydraulic-Cement Mortars (ASTM C348)	1,177 PSI
Compressive Strength of Cylindrical Hydraulic-Cement Mortars (C39)	6,311 PSI
Surface Burning Characteristics of Building Materials - Interior (ASTM E84-10b)	Passed
Fire Propagation Characteristics of Building Materials - Exterior (NFPA 285)	Passed

5/17/2023