



What is Cast Stone?

Architectural Cast Stone is an architectural precast concrete building unit intended to simulate natural cut stone and used in unit masonry applications. As per ASTM C-1364, Standard Specification for Architectural Cast Stone, units must comply with a minimum of 6,500 psi compressive strength, less than 6% absorption (ASTM 1194 & 1195) and 5% cumulative percentage weight loss or less at 300 cycles for Freeze Thaw (ASTMC666). These requirements are applicable whether the product is manufactured by dry tamp, wet cast or machine made methods. ASTM C-1364 is referenced in the 2012 International Building Code as the definition for Cast Stone and is therefore legally binding in jurisdictions that have adopted the building codes. Any other industry specification is for reference only as an industry recommendation.

Cast Stone Institute® Producer Member 10 Year Limited Product Warranty

As of January 1, 2011, all Certified Cast Stone Institute® Producing Members provide a 10 year Limited Product Warranty for the Cast Stone they supply on projects.

Continuing to lead the industry, the Cast Stone Institute® Producer Members voted on October 8, 2010 to adopt the language for a 10 year Limited Product Warranty. Institute Producer Members are aware of the evolving environment for products in the marketplace that demand sustainability, durability and usable service life. This warranty demonstrates that they embrace these principles and produce product that will stand the test of time.



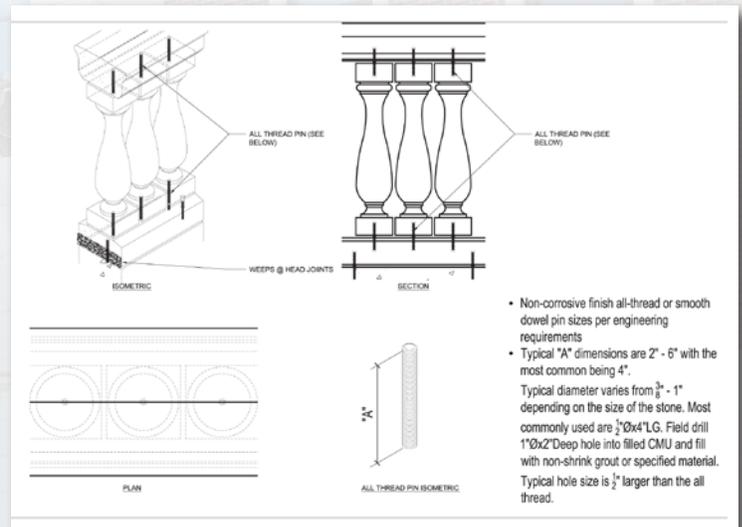


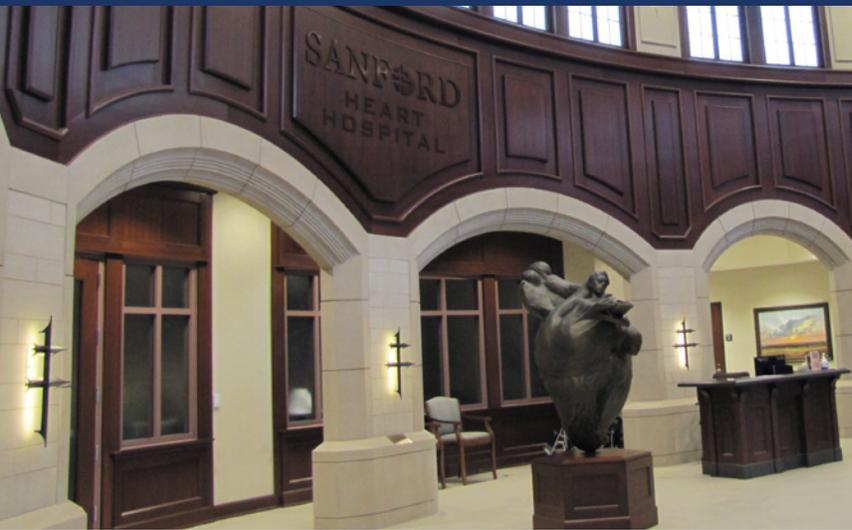
How Does Cast Stone Differ from Other Related Products?

Properties Comparison Chart					
	PSI	Maximum Absorption	ASTM Designation	Durability Freeze Thaw	Reinforced
Cast Stone	6,500 min	6%	C-1364	5% loss or less @300 cycles	Yes
Architectural Precast	5,000 min	6%	None	None	Yes
Limestone Grade II	4,000 min	7.5%	C568	None	No
Calcium Silicate	Grade MW 3,500 Grade SW 5,500 (assuming average density of 129 lbs/cf)	14% 11.6%	C73	None	No
Adhered Manufactured Stone Masonry Veneer	2,100 min	None as per ASTM	C1670-13	1.5% loss or less @ 50 cycles	No

Technical Information on CSI Website

The Cast Stone Institute website has been updated with fresh new details for balustrades, columns, coping, cornices, fascia/soffit, headers, jams and sills. These new details are listed under "Technical Resources" and included in the technical manual available on the website for free download.

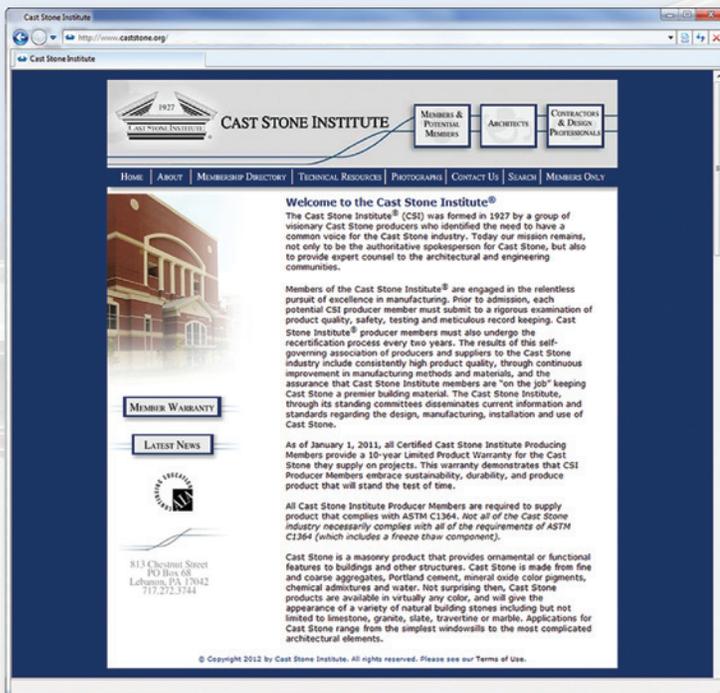




Why a Certified Cast Stone Institute Producer?

The most important valuable resource to Specifiers is our Certified Producer Members who adhere to the high standards for quality and are bound by a strict code of ethics. Members must provide testing of product every 500 cubic ft. for compression and absorption as well as independent laboratory test results every six months to confirm their product meets the Institute standard specification and ASTM C-1364. They must also have a current compliant Freeze Thaw test.

These are tests mandated by ASTM C1364 and our members comply with these strict regulations and provide proof of compliance to the Institute every six months. Since the products that go into the mix design for Cast Stone come from the earth, there can be variances in sands, aggregates, etc... Testing assures the Producer Member, the specifier and owner that the Cast Stone is indeed produced to required specifications. Without this testing, there is no way to assure quality Cast Stone production.



Design Awards

Want to check out some beautiful projects and gather ideas for your next design – log onto the Cast Stone Institute® website and click “Photos” to see award winning projects.



When considering a producer of Cast Stone for your next project, log onto www.caststone.org for a listing of certified producer members of the Cast Stone Institute® who take pride in the relentless pursuit of excellence for every project. While you are on the website, take a moment to review the photos section for other award winning projects and further information about Cast Stone and the Cast Stone Institute®.



Education Seminars



The Cast Stone Institute® is offering you three opportunities to learn about Cast Stone while Earning Health, Safety and Welfare (HSW) Learning Unit Credits.

The American Institute of Architects Continuing Education System AIA/CES Registered Provider Program Summaries.

ARCHITECTURAL DESIGN WITH CAST STONE

Length: 1 Hour | Credits: 1 AIA/CES LU/HSW

DELIVERY

A PowerPoint presentation by a Cast Stone Institute® member.

LEARNING OBJECTIVES

Attendees will have a clear understanding of Cast Stone: how it is produced and how it differs from associated materials; the various applications of Cast Stone for residential, commercial, municipal, educational and other uses; design recommendations as well as anchoring details and inherent sustainable attributes of Cast Stone and LEED®.



CAST STONE CONNECTIONS

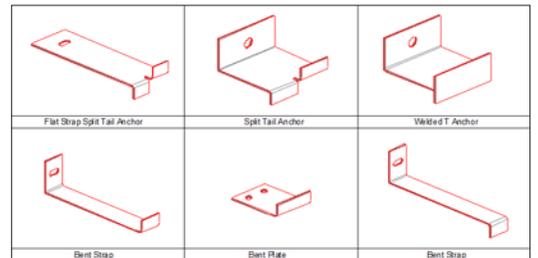
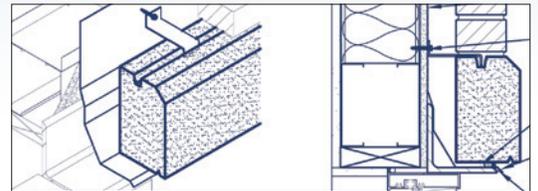
Length: 1 Hour | Credits: 1 AIA/CES LU/HSW

DELIVERY

A PowerPoint presentation by a Cast Stone Institute® member.

LEARNING OBJECTIVES

Attendees will understand common exterior veneer installation methods and terminology, learn design and installation techniques as they relate to anchors and exterior cast stone veneer, gain knowledge to improve the quality and performance of interior and exterior Cast Stone veneer installation and become aware of applicable industry codes and regulations.



THE MAKING OF CAST STONE: A PLANT TOUR

Length: 1 Hour | Credits: 1 AIA/CES LU/HSW

DELIVERY

An interactive tour of a Cast Stone Institute® Certified Producer member plant to understand how quality cast stone is produced.

LEARNING OBJECTIVES

Participants will be able to understand how cast stone production shop drawings are generated from architectural plans. Learn how molds are made to form the cast stone as specified in the drawings. Become familiar with at least one method of cast stone production. Understand the major aspects of the Cast Stone Institute® Quality Control Program for cast stone production and shipping.

