



SAVANNASTONE®

BY HARVEY CEMENT PRODUCTS, INC.



“SIMPLIFYING CAST STONE DESIGN”

- 2FT INDUSTRY STANDARD SIZES ARE STOCKED, WITH CUSTOM UNITS DESIGNED AND PRODUCED IN THE EXACT SAME MIX DESIGN
- CUSTOMIZED STONE COLORS/PALETTES AVAILABLE UPON REQUEST
- VIRTUALLY UNLIMITED DESIGN CAPABILITIES: MEDALLIONS, ARCHES, ETC.
- EXCEPTIONALLY LOW 2.2% AVERAGE INTEGRAL WATER ABSORPTION RATE
- COMPLETE IN-HOUSE CAD DRAWINGS PROVIDED TO THE MASON CONTRACTOR

Strength
Value
Beauty
Longevity

SavannaStone® Specification for ASTM C1364 and ASTM C90

ASTM C1364 Specifications for Cast Stone

Property	Test	Target Value	SavannaStone®
Compressive Strength	ASTM C1194	More than 6500 PSI @ 28 days	7504 PSI @ 28 days
Absorption	ASTM C1195	Less than 6% @ 28 days	2.2% @ 28 days
Freeze/Thaw	ASTM C666	Less than 5% @ 300 cycles	CPWL 4.16% @ 300 cycles

ASTM C90 Specifications for Load Bearing Concrete Masonry Units

Property	Test	Target Value	SavannaStone®
Compressive Strength	ASTM C140	More than 1900 PSI	6158 PSI
Absorption	ASTM C140	Less than 13 lbs./cu.ft.	4.65 lbs./cu.ft.
Density	ASTM C140	More than 125 lbs./cu.ft.	134 lbs./cu.ft.

Construction Information for Cast Stone Veneer Systems

Please note the following “design considerations” for masonry wall assemblies: When considering shrinkage and volume for masonry wall assemblies, the concerns for cast stone can be divided into two categories: (1). Shrinkage and cracking of cast stone veneer assemblies and (2). Shrinkage and cracking of individual cast stone elements.

The first category applies to cast stone used as a veneer or in combination with concrete masonry veneers. In this case, the recommendations from the National Concrete Masonry Association (NCMA) seem appropriate. **NCMA recommends that control joints be placed at a maximum spacing of 25 feet and that the aspect ratio of the wall is such that the length of the wall is no more than 1-1/2 times the height of the wall.** Thus for example, a 12-foot wall would have vertical control joints placed at 18 feet. These recommendations from NCMA also take into account reversible thermal and moisture movements and are based on extensive research and field experience.

The second category is crucial to wall construction as **shrinkage is always expressed as a percentage, individual cast stone elements will experience actual shrinkage depending on their length.** For example, a 24-inch long unit with a linear dry shrinkage of 0.065% will experience a total shrinkage of 0.016 inches. A 144-inch long unit with the same shrinkage will experience a change in length of 0.094 inches.



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16030 Park Ave.
Harvey, IL 60426
P: 708.333.1900
F: 708.333.1910
www.harveycement.com