



WE TAKE BUILDING CODES SERIOUSLY.

AND IT'S CLEAR THE INDUSTRY APPROVES.

Cultured Stone® is the most recognized and most used brand in the industry.* On top of that, we're also one of the most evaluated. Manufactured stone veneer products are subjected to rigorous testing. And when it comes to product quality, AC-51 is one set of criteria in particular that's considered the toughest in the industry from which to receive approval. Cultured Stone® is ICC Evaluation Service approval.

EXPERTISE. QUALITY. REPUTATION. NO ONE COMPARES.

*2006 Brand Use Study, Builder magazine. Most Recognized based on Familiarity ranking.

 **CULTURED STONE®**
A **BORAL®** Brand

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AC-51 CRITERIA

DESCRIPTION

IMPORTANCE TO YOU

ASTM C150 Cement/ACI 318	These are a specific raw material standards for cement. Regardless of who supplies it, certification to standard assures a specific performance.	You want predictable strength, quality and consistent product characteristics.
ASTM C33, C330 or C331 Aggregate	These are specific raw material standards for concrete aggregate and lightweight aggregate, respectively. Using materials certified to these standards provides predictable, durable results & consistent quality.	You want predictable weight, moisture absorption and strength, without the risk of aggregate contamination and destructive post-manufacturing reactions.
ASTM C567 Density Measurement	This provides measurement to assure stone veneer units do not exceed 15 lbs. per sq. ft.	You want stone to be lightweight concrete, allowing greater design flexibility.
Stone Dimensions	Stones no greater than 36" in any direction and less than 720 sq. in. total area.	You want stones that are safe to handle and ensure safe performance.
Compressive Strength >1800 psi	28-day cured samples of the concrete mix used to make stone must withstand at least 1800 psi without damage.	You want a stone to be durable and capable of 50+ years of service.
ASTM C190 Tensile Measurement	28-day cured samples are tested & results reported.	You want a stone that will not crack as the mortar setting bed cures and shrinks.
ASTM C348 Flexural Measurement	28-day cured samples are tested & results reported.	You want a stone that can bend slightly without breaking during windload or other wall movement.
ASTM C482 Shear Bond >50 psi	Stones are installed, cured for 28 days and tested for the shear force required to break them off. They must exceed 50 psi bond strength. For example, a stone the size of a pencil box (6" x 10") would require the weight of a Clydesdale to shear it off the wall.	You want a stone that stays on the wall.
UBC Standard 15-5 Moisture Absorption	Based on the stone's density (example < 85 lbs./ft. ³), it must absorb less than (example 22% moisture).	You want a stone with predictable weight per square foot without concern about excess weight from water.
ASTM C67 Freeze Thaw	The stone must be saturated and frozen, then thawed 50 times and not break, disintegrate or lose more than 3% of its original weight.	You want a stone that can withstand harsh freeze/thaw conditions and not fall apart.
Quality Control Process	The manufacturing plant must have and use a quality control manual that meets the requirements of ICC AC-10 Acceptance Criteria for Quality Control Manuals.	You want peace of mind that the product you get tomorrow is as good as or better than the one you got today.
Installation Instructions	Installation instructions are reviewed and verified to meet the requirements of the building code for which you are gaining approval.	You want installation instructions that provide methods that allow you to meet the requirements of the building code.
Product Identification & Labeling	The package must contain the manufacturer's name and bear the ICC Evaluation Report Number.	You want job site assurance of building code approval.

WORK WITH ONE OF THE MOST ACCREDITED BRANDS IN MANUFACTURED STONE VENEER. Cultured Stone is one of the few stone veneer manufacturers to meet the high standards of the strictest requirements in the industry—over a dozen, in fact. The chart above details the comprehensive testing and code requirements for which Cultured Stone products have been evaluated and approved. It's an impressive accomplishment. One that only a select few manufacturers can say they've achieved. How do you know we meet all these code requirements? It's all there in black and white in the third-party evaluation report *ICC Evaluation Service ESR-1364*. So don't use just anyone. Go with an industry leader. Choose Cultured Stone.

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