Cast Stone/Limestone Cast/Portland Cement

Product Testing

These are strict quality control policies and procedures in the manufacturing and testing of Portland Cement, Limestone Cast, and Cast Stone products. Every batch is carefully blended at the facility under the close supervision of expert quality control team. The raw materials supplier in-house testing department certifies all raw materials supplied to the plant and conducts performance evaluations such as slump, flow, unit weight, air content, compressive strength, flexural strength, and spreadability tests on finished products. Their ongoing commitment to rigorous quality standards, combined with continuous research and development, ensures that the cast stone/ Limestone Cast/Portland Cement and architectural stone solutions remain at the cutting edge of durability, reliability, and design innovation.

Test	Method	Results	Notes
Accelerated Weathering*	ASTM G 155	Passed	2,000 Hours
Freeze/Thaw Resistance*	ICC AC 219	Passed	10 Cycles
Water Absorption*	ASTM C1185	< 4%	Passed
Tensile Adhesion	ASTM C297	25 PSI	Minimum 15 PSI
Water Resistance*	ASTM D 2247	Passed	Passed 14 Days
Salt Spray*	ASTM B 117	No Deleterious Effect	Passed at 300 Hours
Surface Burning Characteristics	ASTM E84	0 Flame Spread / 0 Smoke Develop	Passed
Compressive Strength	ASTM C39	< 7,000 PSI	Passed
Flexural Strength	ASTM C 1185/1186	< 1,560 PSI	Passed

* No deleterious effects: No Cracking, Checking, Crazing, Erosion, Rusting, Blistering, Peeling or Delaminating.
** Ultimate load capacity. Apply appropriate safety factor. Ultimate load capacity depends on several factors, including the adhesive, the sheathing type, the shearing fastening pattern and structural capacity of the supporting wall system (stud size/gauge/spacing/depth and connections).