

# CASTLE STONE™

HANDMADE ARCHITECTURAL STONE



Castle Stone is designed to meet or exceed building code requirements. Independent testing confirms compliance with ICC-ES Acceptance Criteria 51 and ASTM C1670, standard specification for Adhered Stone Veneer and ASTM C1670 standard specification for Adhered Manufactured Stone Masonry Veneer Units.

## Lab Test Summary – Technical Data

Stone Veneer Testing: Gold Cast Products / Castle Stone

### INGREDIENTS

Light-weight aggregates ASTM C33, C330 & C331

Portland cement – Type III ASTM C150, ACI 318

Iron-oxide dry pigments ASTM C979

### CODE ACCEPTABILITY

UL Registered

Mineral Composition units

Surface burning characteristics

Flame Spread 0

Smoke Developed 0

ICC-ES ESR 1942

ASTM C1670

- Compressive Strength: ASTM C39 Air Cured 6200 psi Tested in accordance with C192 & C39
- Tensile Strength: ASTM C190 286 psi
- Absorption: Tested in accordance with ASTM C1670
- Saturated Density: Tested in accordance with ASTM C1670 – Pass(Less than 15 lbs/SF/saturated)
- Flexural Strength: ASTM C348 666 psi
- Freeze / Thaw: ASTM C666 & C1364 Pass
- Bond Strength: ASTM C482 371 psi • Thermal Resistance  
Tested in accordance with ASTM C177  
R-value: 0.0538 (ft<sup>2</sup>-F-hr) BTU at 1.5” thickness
- Dimensions: ICBO AC 51-2016 Pass
- Wind Load Testing: In accordance with ASTM E330 at 150 mph wind speed: Pass