

# TECHNICAL DATA



## TESTING AND EVALUATION RESULTS

**TABLE 1. PHYSICAL PROPERTIES TEST RESULTS FOR CENTURION PRECAST STONE VENEER**

Property	Test Results	Requirement	Pass/Fail
Equilibrium Density, lb/ft <sup>3</sup>	93.0	As Reported	As Reported
Saturated Weight, lb/ft <sup>2</sup>	12	≤ 15	Pass
Compressive Strength			
Precast Stone Veneer			
• Cured per Manufacturer's method	7849 All within 10% variance	≥ 1800 Each result ≤ 10% variance	Pass Pass
• Cured per ICC-ES AC51	8323 All within 10% variance	≥ 1800 Each result ≤ 10% variance	Pass Pass
• Strength, psi			
• Tolerance			
Mortar			
• Cured per ICC-ES AC51	4346 All within 10% variance	≥ 1800 Each result ≤ 10% variance	Pass Pass
• Strength, psi			
• Tolerance			
Tensile Strength			
• Strength, psi	463	As Reported	As Reported
• Tolerance	Each result ≤ 10% variance	Each result ≤ 10% variance	Pass
Flexural Strength			
• Strength, psi	1336	As Reported	As Reported
• Tolerance	All within 10% variance	Each result ≤ 10% variance	Pass
Shear Bond Strength, lb/in <sup>2</sup>	160	≥ 50	Pass
Moisture Absorption, %	11	≤ 18 <sup>(1)</sup>	Pass
Freeze-Thaw Resistance			
• Weight loss, %	1	≤ 3	Pass
• Observation	No signs of breaking, cracking, or disintegrating	No signs of breaking, cracking, or disintegrating	Pass

Note<sup>(1)</sup> – Requirement based on “Less than 105lb/ft<sup>3</sup>” weight classification of Table 2, Maximum Water-Absorption of Veneer of ICC-ES AC51.

### Test Samples

The selected product was identified as Centurion Manufactured Stone and was randomly sampled in varying sizes and thicknesses. Additionally, a crate containing approximately 125 sq. ft. of various sized pre-cast stone was sampled that is similar in appearance and texture to natural stone. The concrete stone is composed of Portland cement, white masonry cement, fine and course shale aggregates, concrete admixtures, and water as required for casting.

NOTE: DATA FIGURES WILL VARY WITH COMPANY'S WHO FRANCHISE OR HAVE MULTI-FACTORY SITES. ASK FOR DATA FROM THE FACTORY SITE THE STONE IS PRODUCED AT. (AVAILABLE RAW MATERIALS FROM WHICH THE STONE IS PRODUCED WILL CHANGE THE DATA FIGURES)

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