

# TECHNICAL DATA

ADHERED VENEERS



DUTCH QUALITY  
STONE

Dutch Quality 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. Local building codes may vary by area. Always check with your local building authorities before installing stone. Supporting test data is available upon request. For additional technical information please visit: [dutchqualitystone.com](http://dutchqualitystone.com).

## INGREDIENTS

Light weight aggregate ASTM C33, C330 and C331  
Portland cement ASTM C150, ACI 318  
Mineral oxide pigments ASTM C979

## CODE ACCEPTABILITY & CERTIFICATION

UL Registered

Mineral composition units

Surface burning characteristics

Flame Spread 0

Smoke Developed 0

ICC-ES ESR 1942

ASTM C1670

CE Declaration of Conformity NR #290905-5

## FREEZE-THAW DURABILITY

Tested in accordance with ASTM C666 & C1364  
Less than 1.5 percent weight loss at 50 cycles; passed  
Less than 5 percent weight loss at 300 cycles; passed

## SHEAR BOND (ADHESION)

Tested in accordance with ASTM C482  
Greater than 50 psi shear bond strength



## ABSORPTION

Tested in accordance with ASTM C1670

## SATURATED DENSITY

Tested in accordance with ASTM C1670  
Weight less than 15 lbs. per sq. ft., saturated

## THERMAL RESISTANCE

Tested in accordance with ASTM C177  
R value: 0.528 (ft<sup>2</sup>-F-hr)/BTU at 1.48" thickness

## COMPRESSIVE STRENGTH

Testing in accordance with C192 & C39  
Compressive strength is greater than 2100 psi

## WEIGHT PER SQUARE FOOT

Tested in accordance with ASTM C1670  
All adhered veneer profiles weigh less than 15 lbs. per square foot

## WIND LOAD TESTING

Tested in accordance with ASTM E330 at 150 mph wind speed; passed