Version 9-8-2020

Spec Data, Technical Data, Technical Specifications And Installation Techniques

Product Name: Manufactured Stone Veneer

Product Manufacturer: Quality Stone Veneer, Inc.

Manufacturer Information:

Quality Stone Veneer, Inc., P.O. Box 117, 50 Refton Road
Refton, PA 17568
Phone: 717-786-3229
Fax: 717-806-0961
Web Site: **www.qualitystoneveneer.com**

STONE SELECTION:

Stone Style:

Brick Color:

Accessory Color:

Mortar Color:

Sand Color:

PRODUCT DESCRIPTION:

Basic Use:

- Product is intended for interior or exterior nonstructural lightweight veneer facing on masonry, metal, or frame construction for architectural beauty.
  *Interior or exterior walls of new construction.
  *Remodeling and redecorating of existing walls.
  *Fireplaces: around openings, hearth, exterior chimney finish, or chase finish.
  Note: Manufactured stone does not add strength to load-bearing capacity of wall. Stone should not be used in below-water applications.

Composition and Materials:

- Quarried natural stones of varying sizes and shapes are used to make flexible molds. The molds are then painted with iron oxide pigments and filled with a mix of Portland cement and lightweight aggregates. Filled molds are vibrated to integrate surface coloration. Mix in molds is raked to provide scratched surface texture on product back to ensure installation bond. After stone mix sets, cast product is pulled from molds, packaged, and cured.

Sizes:

- Varied sizes, shapes, and textures of finished product duplicate natural stones used as mold masters. Stone diameters will vary. Right-angle corner stones have return lengths varying from 2.5 inches to 15 inches inside.

PRODUCT SPECIFICATIONS:

Standard	Quality Stone Veneer Specs
Manufacturer Experience	31 years
Organizational Membership	National Association of Home Builders (NAHB) & American Society for Testing & Materials (ASTM)
LEED Information	Manufacturing plants located in Lancaster, PA, Tower City, PA, and Denver, CO
Warranty	50 years on product; 1 year on installation to original purchaser
Freeze-Thaw Durability	ASTM C666 with less than 3% weight loss
Compressive Strength	All Cast Veneer Stone units exceed ASTM C39 and C192 with minimum of 1800 psi.
Sheer Bond (Adhesion)	ASTM C482 with minimum of 50 psi.
ICC-ES Strength and Durability Tested	Meets or exceeds Report # ESR-3151
Water Absorption	15.1% when tested in accordance with ASTM C127
Thermal Resistance:	ASTM C518-91 R factor = 1.148
Fire Hazard Test:	UL 723
Density	8-12 pounds per square foot
Weight	Installed weight is approximately 20 to 25 pounds per square foot. Weight will vary depending on stone styles, installation methods and substrate.

TECHNICAL DATA:

Applicable standards: Professional Service Industries, Inc. - Project No. 812-50301.

Test results:

Product Thickness	**.15 ft**
Density (lbs. per cubic foot)	**82.2**
Temperature Hot Side (F)	**95 degrees**
Temperature Cold Side (F)	**55 degrees**
Average Mean Temperature (F)	**75 degrees**
Thermal Conductivity (K)	**1.569**
Thermal Resistance (r)	**1.148**
Absorption (24 hours)	**15.1%**

Applicable standards: Underwriter's Laboratories, Inc. - Project No.05CA22150

Test results:

(CFS Calculated Flame Spread	0
(FSI) Flame Spread Index	0
(CSD) Calculated Smoke Developed	5.9
(SDI) Smoke Developed Index	5

MAINTENANCE:

- Most applications require no maintenance. The use of a high quality waterproofing sealer is recommended on any Quality Stone surface, but especially on those exposed to severe freezing or thawing, excessive moisture, or conditions which could discolor or stain the stone. A sealed surface is much easier to clean than an unsealed surface.

Note: Applications where dirt or dust may accumulate can be washed occasionally using a garden hose and soft bristle brush. Do NOT use a wire brush. Use mild soap or detergent and water; rinse immediately with fresh water. Do NOT attempt to clean with acid or acid based products or Power Washer.

Efflorescence:

- This is normal and common in all masonry products and easily remedied.

To Remove:

- Allow stone to dry. Scrub with stiff bristle brush and clean water. If this does not work, scrub with solution of 50% household white vinegar and 50% water and rinse thoroughly.

Salt and Calcium Chloride Products:

- Do NOT use any of these products on areas adjacent to a stone veneer product.

WARRANTY INFORMATION:

STONE VENEER GUARANTEE – LIMITED:

- When installed in accordance with the manufacturer's application specifications, Quality Stone Veneer unconditionally guarantees its stone veneer flats and corners to the original purchaser for a period of 50 years from the date of purchase. This warranty applies to all normal wear and tear applications. The warranty applies to the veneer units only and does not cover application replacement nor does it cover defects or damages resulting from or connected with misuse or improper installation.

ACCESSORY STONE VENEER UNIT GUARANTEE – LIMITED:

- When installed in accordance with the manufacturer's application specifications, Quality Stone Veneer unconditionally guarantees its stone veneer accessory pieces to the original purchaser for a period of 10 years from the date of purchase. The warranty applies to the accessory units only and does not cover application replacement nor does it cover defects or damages resulting from or connected with misuse or improper installation.

GUARANTEE – LIMITED:

- Quality Stone Veneer warrants that its product will endure in normal use if such application is installed according to the manufacturer's instructions. In the event of defects, the consumer must notify Quality Stone Veneer in writing. Upon receipt of such notification and after a factory representative inspection, Quality Stone Veneer will

provide, free of charge, new materials to replace those products deemed to be defective. This warranty covers only manufacturing defects and the consumer is responsible for any labor costs incurred in replacement.