

<p style="text-align: center;">DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT Housing - Federal Housing Commissioner</p> <p>TO: DIRECTORS, SINGLE FAMILY HOCs DIRECTORS, MULTIFAMILY HUBs</p>	<p>Series and Series Number: MATERIALS RELEASE NO: 1316a (Supersedes issue dated February 11, 2004)</p>
	<p>ISSUE DATE July 12, 2007</p>
	<p>REVIEW DATE July 12, 2010</p>
<p>SUBJECT: 1. Product Cultured Stone Products</p> <p>2. Name and address of Manufacturer Owens Corning World Headquarters One Owens Corning Parkway Toledo, OH 43659</p>	

Data on the nonstandard product described herein have been reviewed by the Department of Housing and Urban Development (HUD) and determination has been made that it is considered suitable from a technical standpoint for the use indicated herein. This Release does not purport to establish a comparative quality or value rating for this product as compared to standard products normally used in the same manner.

This Materials Release cannot be used as an indication of endorsement or approval by HUD of the described product, and any statement or representation, however made, indicating such approval or endorsement by HUD is unauthorized. See Code 18, U.S.C. 709.

Any reproduction of this Release must be in its entirety.

USE: Exterior and Interior Wall Veneer

DESCRIPTION:

This Materials Release (MR) describes manufactured stone products listed by the following product names: Cultured Stone®, Stucco-O-Stone®, Cultured Brick®, Pro-Fit®, and Sacramento Stone™. These products are a mix of Portland cement, light-weight aggregates and mineral oxide colors placed in individual flexible molds. After initial set, units are removed from molds, packaged and cured. Stone veneer units are random in size and shape, with textures and finishes to duplicate natural stone or brick. The units have a variable thickness of ½" to 3½", and face dimensions of 1" to 28". Corner units, with right angles, have a return length of 2½" to 13".

MATERIALS:

Cured Weight of Manufactured Units: 3.6-14 psf.

Average oven dry weight: 74.9 lb./ft³

Average air dry density: 78.4 lb./ft³

Compressive Strength: 1500 psi. minimum (ASTM C-39)

Shear Bond Strength: 50 psi. minimum

Thermal Resistance: R= .355 for a 1" layer (ASTM C-177)

LIMITATIONS:

Owens Corning Cultured Stone veneer products are limited to two-story construction, or wall heights not to exceed 20'.

APPLICATIONS:

The application shall be in compliance with Owens Corning Cultured Stone installation instructions and this MR.

1. Walls receiving this system shall provide adequate racking resistance independent of the Owens Corning Cultured Stone veneer.
2. Where open stud construction is proposed, stud spacing shall be limited to 16" o.c.
3. Water resistant building paper or felt shall be placed over wood or wood based sheathing. Paper shall be in compliance with ASTM C-71 and felt with ASTM D-226.
4. Metal lath, where required, shall be in compliance with Federal Specification QQ-L-101c, and shall be the weight and type specified by Owens Corning Cultured Stone.
5. Metal lath shall be attached to the studs with galvanized nails spaced 6" o.c. Nails shall have sufficient length to penetrate studs a minimum of 1".
6. On open stud construction, a scratch coat of Type N or S mortar in compliance with ASTM C-270 shall be applied with approximately ½"- ¾" thickness over the metal lath, and allowed to cure a minimum of 48 hours before the setting bed is applied.

7. A 5/8" to 3/4" thick setting bed of Type N or S mortar shall be applied to the moistened scratch coat. The units are pressed into the setting bed with enough pressure to ensure firm bonding. When the weather is extremely hot (temperature in excess of 85°F) or dry, the back of the veneer units shall be moistened with a fine spray of water or wet brush.
8. Where application is directly to masonry or concrete, the surface must be clean and free of loose or scaly particles that would interfere with bonding. Surface acceptance and bonding shall be the responsibility of the applicator contractor.
9. Some masonry surfaces, as determined by the applicator contractor, may require that wire mesh be installed with mechanical fasteners, as specified by Owens Corning Cultured Stone.
10. Application of Pro-Fit, or any other system by mastic method shall not be utilized for exterior installation.

CERTIFICATION AND LABELING:

Cultured Stone carries a listing and classification (labeled) with Underwriters Laboratories. This requires compliance to a UL procedures manual. Each plant is inspected/audited on a quarterly basis against this manual.

Additionally, Cultured Stone marks packaging with ICC ESR 1364. In order to obtain and maintain this report we must follow a quality control program. One fundamental component of this program is a quality control manual that meets the requirements of ICC Acceptance Criteria #10. ICC does not require 3rd party quality control but does reserve the right to inspect any plant at any time.

MANUFACTURING LOCATIONS:

Napa Facility:
350 Tower Road
Plant Leader: Tom Seymour
Phone: 708-255-1727

Navarre Facility:
9318 Erie Avenue SW
Navarre, OH 44662
Plant Leader: Harold Rhines
Phone: 330-756-3210

Chester Facility:
590 Ecology Line
Chester, SC 29706
Plant Leader: Patrick Lowrey
Phone: 803-377-2995

MANUFACTURER'S WARRANTY:

Owens Corning Cultured Stone shall warrant the cultured stone products against delamination or other defects in manufacture for a period of 50 years, when installed by a manufacturer approved contractor in compliance with the manufacturer's specifications. Owens Corning Cultured Stone shall not be liable for damages or defects resulting from misuse, natural catastrophes (other than hail), or other causes beyond the control of Owens Corning Cultured Stone.

The manufacturer's warranty does not relieve the builder, in any way, of responsibility under the terms of the Builder's Warranty required by the National Housing Act, or under any provisions applicable to any other housing program.

MANUFACTURER'S RESPONSIBILITIES:

Issuance of this MR commits the manufacturer to fulfill, as a minimum, the following:

1. Produce, label and certify the material, product or system in strict accordance with the terms of this MR.
2. Provide necessary corrective action in a timely manner for all cases of justified complaint, poor performance or failure reported by HUD.
3. When requested, provide the FHA Standards, Office of Manufactured Housing Programs, HUD Headquarters, with a representative list of properties, in which the material, product or system has been used, including complete addresses or descriptions of locations and dates of installation.
4. Inform HUD in advance of changes in production facilities, methods, design of the product, company name, ownership or mailing address.

EVALUATION:

This MR shall be valid for a period of three years from the date of initial issuance or most recent renewal or revision, whichever is later. The holder of this MR shall apply for a renewal or revision 90 days prior to the Review Date printed on this MR. Submittals for renewal or revision shall be sent to:

U. S. Department of Housing and Urban Development
FHA Standards, Office of Manufactured Housing Programs
451 7th Street, SW, Room 9168
Washington, DC 20410-8000

Appropriate User Fee shall be sent to:

U. S. Department of Housing and Urban Development
Miscellaneous Income – Technical Suitability of Products Fees
Bank of America
P. O. Box 198762
Atlanta, GA 30384-8762

The holder of this MR may apply for revision at any time prior to the Review Date. Minor revisions may be in the form of a supplement to the MR.

If the Department determines that a proposed renewal or supplement constitutes a revision, the appropriate User Fee will need to be submitted in accordance with Code of Federal Regulations 24 CFR 200.934, "User Fee System for the Technical Suitability of Products Program," and current User Fee Schedule.

CANCELLATION:

Failure to apply for a renewal or revision shall constitute a basis for cancellation of the MR. HUD will notify the manufacturer that the MR may be cancelled when:

1. conditions under which the document was issued have changed so as to affect production of, or to compromise the integrity of the accepted material, product or system,
2. the manufacturer has changed its organizational form without notifying HUD, or
3. the manufacturer has not complied with responsibilities it assumed as a condition of HUD's acceptance.

However, before cancellation, HUD will give the manufacturer a notice, of the specific reasons for cancellation, and the opportunity to present views on why the MR should not be cancelled. No refund of fees will be made on a cancelled document.

 This Materials Release is issued solely for the captioned firm, and is not transferable to any person or successor entity.
