

<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: 1314</p>
	<p>ISSUE DATE December 9, 2003</p>
	<p>REVIEW DATE December 9, 2006</p>
<p>SUBJECT:</p> <ol style="list-style-type: none"> 1. Product LEVELROCK® Brand Floor Primer, Gypsum Floor Underlayments 2500, 3500, 4500, Proflow and LEVELROCK® RH 2. Name and address of Manufacturer USG Corporation 125 South Franklin Street Chicago, IL 60606-4678 	

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:

LEVELROCK® Floor Primer and underlayments 2500, 3500, 4500, Proflow, and RH comprise a family of gypsum-based floor underlayments that are designed to provide sound and level underlayment surfaces. They can be utilized for both new and rehabilitation purposes and when part of an approved assembly, can provide fire-resistance and sound-transmission ratings.

DESCRIPTION:

LEVELROCK® Brand Floor Underlayment products are gypsum-cement based non-structural floor toppings which when combined with specific amounts of sand and water achieve a specified compressive strength. LEVELROCK® Brand Floor Underlayments are batch mixed at the job site and pumped into place. LEVELROCK® Brand Floor Underlayments are applied over concrete or wood subfloors in new and existing construction.

LEVELROCK® Floor Underlayment can be used as a component of fire resistant floor/ceiling assemblies, and can provide sound transmission control. The minimum applied thickness is based on the application and the product used. The underlayments are also used as leveling agents.

Underlayment tradename	Typical compressive strength (psi)	Bags of product	Sand (cu. ft ³)	Water (gal.)	Typical Density (lb./cu.ft ³)
LEVELROCK [®] 2500 ¹	2500-3200	1 (80 lbs.)	1.9	4.5 – 5.0	115
LEVELROCK [®] 3500 ¹	3500-4200	1 (80 lbs.)	1.4	4.0 – 4.5	120
LEVELROCK [®] 4500 ²	4500-5200	1 (80 lbs.)	1.4	4.0 – 4.5	125
LEVELROCK [®] Proflow ²	6000-8000	1 (60 lbs.)	NA	1.5 – 1.6	130
LEVELROCK [®] RH ³	2500-3200	1 (80 lbs.)	1.9	4.5 – 5.0	115

Notes:

1. Designed for use over wood and concrete subfloors,
2. Designed for use over concrete slabs, prestressed concrete, or concrete planks.
3. Designed for use with electrical and hot water radiant heat floor installations.

REQUIREMENTS:

LEVELROCK[®] Brand Floor Underlayments are non-structural floor toppings which when combined with specific amounts of sand and water achieve a specific compressive strength. Maximum permitted deflection of substrates under total load shall be L/360, where L is the distance between support joists or beams.

INSTALLATION AND LIMITATIONS:

Installation shall be in strict accordance with HUD Minimum Property Standards (MPS) and applicable codes. LEVELROCK[®] Floor Underlayments shall be installed only by USG licensed applicators in accordance with the manufacturer's published installation instructions and this MR. Current copies of the installation instructions shall be available on the job site at all times during installation.

Applicators shall be factory trained and licensed by USG Corporation. LEVELROCK[®] Floor Underlayment shall be limited to use for interior applications only and shall be covered with a floor finish material. However, Proflow may be used as a finish floor when treated with a USG Corporation-approved coating system. Finish flooring materials shall not be installed until the LEVELROCK[®] floor Underlayment is dry, as determined in accordance with manufacturer instructions. It shall not be used for exterior or below-grade applications or in areas that may be in prolonged contact with water. An effective moisture barrier must be used when the underlayment is to be poured on grade.

During installation, work area temperature shall be maintained at not less than 50°F (10°C) and adequate ventilation shall be provided during the drying process to ensure uniform drying. Prior to application, the substrate shall be cleaned and primed in accordance with the manufacturer's instructions.

LEVELROCK[®] RH Underlayment shall be the only product used for electric and hot water radiant heat floor installations. The underlayment shall be poured to a minimum depth of ¾ inches. (19.1 mm) above the top of the radiant heat tubes.

The density of the floor fills and floor/ceiling assemblies shall be in accordance with the manufacturer's recommendations and uses as indicated by this MR.

In bathrooms, kitchens, and other areas subject to moisture intrusion, LEVELROCK[®] Brand Floor Underlayments must be covered with floor finish materials such as vinyl or tile.

MANUFACTURING PLANTS:

LEVELROCK[®] products shall be produced at the following locations:

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| 1. | Ft. Dodge Plant #404
2110 Paragon Avenue
Fort Dodge, IA 50501
(515) 576-4151 | 4. | Gypsum Plant #505
Lake Street
Gypsum, OH 43433
(419) 734-3161 |
| 2. | Baltimore – Plant #833
5500 Quarantine Road
Baltimore, MD 21226
(410) 355-6600 | 5. | Cloquet Plant #263
35 Arch Street
Cloquet, MN 55720
(218) 878-4000 |
| 3. | Southard Plant #227
Highway 51A
Southard, OK 73770
(580) 822-6100 | 6. | Solutia, Inc.
2381 Centerline Industrial Drive
St. Louis, MO 63146 |
| | | 7. | JE Tomes
2513 W. 140 th Place
Blue Island, IL 60406 |

WARRANTY:

United States Gypsum (USG) Corporation warrants that LEVELROCK[®] Brand Floor Underlayment products meet the requirements of this Materials Release (MR). USG warrants the products against defects in material and workmanship for a period of two (2) years. USG shall replace the defective material or refund the purchase price of the underlayment material. The warranty does not apply to radiant heat systems topped by LEVELROCK[®] nor to the acoustical performance of the sound systems as various field factors can affect their performance.

This warranty is limited and applies to any material failure due to manufacture only and does not cover, nor will the manufacturer be liable for, any defects or damages due to misuse, improper installation, or damages resulting from fire, lightning, or other causes beyond the manufacturer's control.

This 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. A copy of this warranty shall be furnished by the builder to the homeowner.

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 9152
Washington, DC 20410-8000

Appropriate User Fee shall be sent to:

U. S. Department of Housing and Urban Development
Technical Suitability of Products Fees
P. O. Box 954199
St. Louis, MO 63195-4199

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 for a revision 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 materials, 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 written 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 canceled document.

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