

<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: 1056f (Supersedes issue dated September 12, 2000)</p>
	<p>ISSUE DATE February 23, 2004</p>
	<p>REVIEW DATE February 23, 2007</p>
<p>SUBJECT: 1. Product Grace Ice & Water Shield®</p> <p>2. Name and address of Manufacturer W. R. Grace & Co.-Conn. 62 Whittemore Avenue Cambridge, MA 02140</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: Added protection against leaks caused by ice dams along the eave line of shingled roofs.

DESCRIPTION:

Grace Ice & Water Shield® is a membrane composed of rubberized asphalt and polyethylene that is backed with a release paper that protects the adhesive quality of the membrane. The polyethylene film has a slip-resistant coating. The membrane is supplied in rolls 36" wide and 75' long, or 36" wide and 36' long.

INSTALLATION:

Installation shall be in compliance with W. R. Grace & Co.-Conn. specifications for Grace Ice & Water Shield®, HUD Minimum Property Standards (MPS), and the following provisions:

1. Cut membrane into 10' to 15' lengths and re-roll. Peel back 1' to 2' of release paper, align the first 1' to 2'. Pull the release paper under the membrane and continue to peel it from the membrane while pressing the membrane into place. Roll lower edges firmly with a wall paper roller.

2. The membrane ends shall be overlapped a minimum of 6", and the edges shall be overlapped a minimum of 3 1/2" to the printed guideline on the membrane.
3. On a roof with slopes between 2" and 4" per foot, Grace Ice & Water Shield® shall be applied a minimum of two sheets wide extending from the eave to a line not less than 24" inside the interior surface of the exterior wall. On a roof with a slope greater than 4 in 12, the membrane shall extend from the eave to a line no less than 12" inside the interior surface of the exterior wall.
4. After application of the Grace Ice & Water Shield®, and before application of the roofing, inspect and repair all defects in compliance with the W.R. Grace & Co.-Conn. instructions.
5. Flashing around protrusions or metal drip edges shall be installed over the membrane and overlapped 6".

LIMITATIONS:

1. Do not fold membrane onto the face of the roof edge unless covered by a fascia or metal drip edge.
2. Grace Ice & Water Shield® shall not be left permanently exposed. It must always be covered by shingles or other roofing materials.
3. Apply Grace Ice & Water Shield® only in fair weather at temperatures of 40°F or above.
4. Grace Ice & Water Shield® is a vapor barrier. Spaces under the area to which Grace Ice & Water Shield® is applied must be ventilated according to industry standards. Consult a qualified ventilation professional for guidance.

PRODUCTION FACILITIES:*

BEDFORD PARK, IL
W. R. Grace & Co.-Conn.
6051 W. 65th Street
Bedford Park, IL 60638
708-458-9700

SINGAPORE
W. R. Grace (Singapore) Pte. Ltd.
25 Tanjong Penjuru
Singapore 609024
Singapore
011-65-6660-2241

WARRANTY:

W.R. Grace & Co.-Conn. guarantees the Grace Ice & Water Shield® membrane against manufacturing defects of workmanship and material against failure in performance, when applied in strict compliance with the manufacturer's printed instructions, for a period of five (5) years. W.R. Grace & Co.-Conn. will, at no cost to the owner, replace material found not to comply with this guarantee, but makes no warranty, express or implied, with respect to consequential damages.

MANUFACTURER'S RESPONSIBILITIES:

1. Issuance of this MR commits the manufacturer to fulfill, as a minimum, the following:
2. Produce, label and certify the material, product or system in strict accordance with the terms of this MR.
3. Provide necessary corrective action in a timely manner for all cases of justified complaint, poor performance or failure reported by HUD.
4. 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:

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 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 this MR. HUD will notify the manufacturer that the MR may be canceled 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 written notice of the specific reasons for cancellation, and the opportunity to present views on why the MR should not be canceled. 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.
