

<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: 1056h (Supersedes issue dated September 5, 2008)</p>
	<p>ISSUE DATE August 7, 2018</p>
	<p>REVIEW DATE August 7, 2021</p>
<p>SUBJECT: 1. Product Grace Ice & Water Shield®</p> <p>2. Name and address of Manufacturer GCP Applied Technologies, Inc. 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 water penetration on sloped roofs due to water back-up behind ice dams or wind driven rain.

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 GCP Applied Technologies, Inc. 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 GCP Applied Technologies, Inc. instructions.
5. Flashing around protrusions or metal drip edges shall be installed over the membrane and overlapped 6".

LIMITATIONS:

- Slippery when wet or covered by frost.
- Consistent with good roofing practice, always wear fall protection when working on a roof deck.
- Release liners are slippery. Remove from work area immediately after membrane application.
- Do not leave permanently exposed to sunlight. Cover within 90 days.
- Place metal drip edges or wood starter shingles over the membrane.
- Do not fold over the roof edge unless the edge is protected by a drip edge, gutter or other flashing material.
- Do not install on the chamfered edges of wood plank.
- Do not install directly on old roof coverings.
- Certain product applications are prohibited in hot desert areas in the southwestern United States. Contact your GCP Applied Technologies sales representative for assistance choosing the best product for your application.
- Check with the manufacturer of the metal roofing system for any special requirements when used under metal roofing.

- Do not install under copper, COR-TEN[®], or zinc metal roofing in high altitudes. These roofs can reach extremely high temperatures due to the low reflectivity, high absorption, and high conductivity of the metals. Use GRACE ULTRA[™] underlayment for these roof types. Contact your GCP Applied Technologies sales representative for assistance choosing the best product for your application.
- Provide proper roof insulation and ventilation to help reduce ice dams and to minimize condensation. GRACE ICE & WATER SHIELD[®] membrane is an air and vapor barrier.
- Repair holes, fishmouths, tears, and damage to membrane with a round patch of membrane extending past the damaged area 6 in. (150 mm) in all directions. If fasteners are removed leaving holes in the membrane, they must be patched. The membrane may not self-seal open fastener penetrations.
- Do not install fasteners through the membrane over unsupported areas of the structural deck, such as over the joints between adjacent structural panels.
- Due to its slight asphaltic odor, do not apply where the membrane is exposed to interior living space. Refer to product literature for more complete information.
- Not compatible with EPDM or TPO; use GRACE ULTRA[™] underlayment for tie-ins (refer to Technical Letter 5, Chemical Compatibility).
- Not compatible with polysulfides, flexible PVC, or high concentrations of resin (pitch) found in some wood plank decks. For more information, refer to Technical Letter 5.

PRODUCTION FACILITIES:

BEDFORD PARK, IL
GCP Applied Technologies, Inc.
6051 W. 65th Street
Bedford Park, IL 60638
Contact: Charles Ellis
Phone: 931-379-1864

MT. PLEASANT, TN
GCP Applied Technologies, Inc.
350 Magnolia Drive
Mt. Pleasant, TN 38474
Contact: Charles Ellis
Phone: 931-379-1864

CERTIFICATION:

GCP Applied Technologies, Inc. must follow the quality control procedures outlined in the Production Line Quality Standards published by GCP Applied Technologies, Inc. These policies and procedures are on file in the HUD office and must be available upon request during in-plant audit inspections.

LABELING:

Each certified roll of Grace Ice & Water Shield shall be marked with the following information on the packaging:

1. Manufacturer's Name and/or Trademark
2. Evaluation Report Number (MR 1056h)
3. Plant Identification
4. Quality Control Agency Name and/or Trademark

WARRANTY:

Manufacturer's Warranty

GCP Applied Technologies Inc. and its affiliated companies (GCP) hereby warrants that for a period of (5) five years from the date of completion of installation identified above will replace or refund the purchase price of the Grace Ice & Water Shield, if found defective in material or workmanship in manufacturing.

This warranty does not apply to any Grace Ice & Water Shield unless installed and maintained in conformance with the printed instructions of GCP from time to time in effect. Further, this warranty does not cover damage caused by abuse or abnormal use of the Grace Ice & Water Shield, acts of God, inadequate or faulty design of the building and to repairs or installation made by other persons not approved by GCP.

THE FOREGOING WARRANTY AND REMEDY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES AND REMEDIES NOT EXPRESSLY SET FORTH HEREIN, WHETHER EXPRESSED OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS. THE OWNER WAIVES ANY AND ALL OTHER RIGHTS AND REMEDIES, AS WELL AS ANY AND ALL OTHER CLAIMS, ACTIONS, AND DEMANDS RELATING TO USE OF THE PRODUCTS.

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 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
Office of Manufactured Housing Programs
451 7th Street, SW, Room 9170
Washington, DC 20410-8000

Appropriate User Fee(s) for the TSP program can be submitted through the Pay.gov website at <https://pay.gov/public/form/start/73881741>.

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 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.
