TO: DIRECTORS, SINGLE FAMILY HOCs
DIRECTORS, MULTIFAMILY HUBs

ISSUE DATE
August 13, 2015

REVIEW DATE
August 13, 2018

SUBJECT: 1. Product Hardibacker® and Hardibacker 500® Nonstructural Floor Underlayment, and Hardie Compressed Sheet Structural Subflooring

2. Name and address of Manufacturer
   James Hardie Building Products, Inc.
   10901 Elm Avenue
   Fontana, CA  92337

USE: Structural subflooring and nonstructural floor underlayment.

DESCRIPTION:

Hardibacker® and Hardibacker 500® Nonstructural Floor Underlayment, and Hardie Compressed Sheet Structural Subflooring consist of cellulose fiber reinforced (non-asbestos) cement flat sheet. The structural subflooring is compressed and the floor underlayment are not compressed.

REQUIREMENTS:

Hardibacker® and Hardibacker 500® Nonstructural Floor Underlayment, and Hardie Compressed Sheet Structural Subflooring shall be in compliance with the American Society for Testing and Materials (ASTM) C1288 (Standard Specification for Discrete Non-Asbestos Fiber-Cement Interior Substrate Sheets), Grade II and Grade I, and ASTM C 1186 (Standard Specification for Flat Non-Asbestos Fiber-Cement Sheets), Grade IV Type A, respectively. Installation shall be in accordance with the manufacturer’s instructions. The structural subflooring shall be in accordance with Table 1.
TABLE 1
ALLOWABLE UNIFORM LOAD (psf) AT A DEFLECTION LIMIT = L/360 FOR HARDIE COMPRESSED SHEET STRUCTURAL SUBFLOORING

<table>
<thead>
<tr>
<th>Sheet Thickness (in.)</th>
<th>Joist Spacing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>16 in. o.c</td>
</tr>
<tr>
<td>1/2</td>
<td>190</td>
</tr>
<tr>
<td>3/4</td>
<td>300</td>
</tr>
</tbody>
</table>

CERTIFICATION AND IDENTIFICATION:

James Hardie Building Products, Inc., shall certify that the Hardibacker® and Hardibacker 500® Nonstructural Floor Underlayment, and Hardie Compressed Sheet Structural Subflooring are produced in conformance to the requirements of this MR. Intertek Testing Services shall validate the manufacturer’s certification that the Hardibacker® and Hardibacker 500® Nonstructural Floor Underlayment, and Hardie Compressed Sheet Structural Subflooring meet the requirements of this MR. Each certified James Hardie Building Products, Inc., product named in this MR shall be marked with the following label:
3' x 5' x .42" CEMENT BOARD
with MoldBlock® Technology

HardieBacker® 500

Passes ASTM G21 and D3273 mold tests with best score.
Contains no paper face or gypsum. Moisture and mold resistant.
• FOR WALLS • EXCEPTIONAL DURABILITY

MOLDOBLOCK® PROTECTION

FOR DETAILED INSTALLATION INSTRUCTIONS ON HARDIEBACKER BOARD, VISIT
www.hardiebacker.com
or call 1-888-J-HARDIE

JamesHardie

PRODUCT SAFETY INFORMATION

Asthma and other respiratory problems can be caused by exposure to mold or dust, which can be released from moldy materials or moisture-damaged areas. Use appropriate personal protective equipment (PPE) whenever working with mold. Consult a doctor if symptoms persist.

INFORMATION DE SEGURIDAD DEL PRODOTO

PRECAUCIONES DE SEGURIDAD: Luego de la instalación, use guantes y mascarilla de protección. Evite el contacto con la piel o los ojos. Si entra en contacto con el producto, lave con agua y jabón suave. Si se ingiere, llame a un médico.

James Hardie Building Products, 2600 LePartida, Suite A, Mission Viejo, CA 92691
(2019) James Hardie Building Products. All Rights Reserved. T.M., SM, and © are trademarks or registered trademarks of James Hardie Technology Limited.
MANUFACTURING LOCATIONS:

The products covered under this MR will be produced at the following plant:

<table>
<thead>
<tr>
<th>Company</th>
<th>Address 1</th>
<th>Address 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>James Hardie Building Products</td>
<td>809 Woodrow Wilson Road</td>
<td>3000 Waltham Way</td>
</tr>
<tr>
<td>James Hardie Building Products</td>
<td>Plant City, FL 33566</td>
<td>Sparks, NV 89434</td>
</tr>
<tr>
<td>Phone: 813-707-5300</td>
<td>Phone: 775-355-3001</td>
<td>Contact Person: Frank Quinn</td>
</tr>
<tr>
<td>Contact Person: Doug Carmack</td>
<td></td>
<td></td>
</tr>
<tr>
<td>James Hardie Building Products</td>
<td>17 Unytite Drive</td>
<td>1000 James Hardie Way</td>
</tr>
<tr>
<td>James Hardie Building Products</td>
<td>Peru, IL 61354</td>
<td>Pulaski, VA 24301</td>
</tr>
<tr>
<td>Phone: 815-343-5605</td>
<td>Phone: 540-831-9103</td>
<td>Contact Person: Benji Johnston</td>
</tr>
<tr>
<td>Contact Person: Brian Christiansen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>James Hardie Building Products</td>
<td>820 Sparks Drive</td>
<td>18200 50th Avenue East</td>
</tr>
<tr>
<td>James Hardie Building Products</td>
<td>Cleburne, TX 76031</td>
<td>Tacoma, WA 98446</td>
</tr>
<tr>
<td>Phone: 817-556-9990</td>
<td>Phone: 253-847-8700</td>
<td>Contact Person: Doug Cech</td>
</tr>
<tr>
<td>Contact Person: Chris Earleywine</td>
<td></td>
<td></td>
</tr>
<tr>
<td>James Hardie Building Products</td>
<td>2425 Highway 77N</td>
<td>10901 Elm Avenue</td>
</tr>
<tr>
<td>James Hardie Building Products</td>
<td>Waxahachie, TX 75165</td>
<td>Fontana, CA 92337</td>
</tr>
<tr>
<td>Phone: 972-923-5300</td>
<td>Phone: 972-923-5300</td>
<td>Contact Person: George Elizarraras</td>
</tr>
</tbody>
</table>

WARRANTY:

James Hardie Building Products, Inc., warrants Hardibacker® and Hardibacker 500® Nonstructural Floor Underlayment, and Hardie Compressed Sheet Structural Subflooring against faulty performance resulting from faulty materials or workmanship in the manufacturing process for a period of 20 years from the date of installation.

The manufacturer’s warranty does not, in any way, relieve the builder 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 the manufacturer’s warranty shall be furnished by the builder to the owner upon completion of the property.
MANUFACTURER’S RESPONSIBILITIES:

Issuance of this Materials Release (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 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 Seventh Street, S. W., 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 this 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 the Code of Federal Regulations 24 CFR 200.934, “User Fee System for the Technical Suitability of Products Program,” and current User Fee Schedule.

CANCELATION:

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. 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.
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