

<p 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: 1312e (Supersedes issue dated August 2, 2019)</p>
	<p>ISSUE DATE</p> <p align="center">September 30, 2022</p>
	<p>REVIEW DATE</p> <p align="center">September 30, 2025</p>
<p>SUBJECT: 1. Product Carpet Made From Minimum 3.0 Denier Heat Set Plied Nylon Yarn</p> <p>2. Name and address of Manufacturer Shaw Industries, Inc. 616 East Walnut Avenue P.O. Drawer 2128 Dalton, GA 30722-2128</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: Indoor, moderate and heavy traffic in single and multifamily housing.

DESCRIPTION:

This broadloom or modular carpet is made from continuous filament heat set plied nylon yarn with minimum size of 3.0 denier per filament.

REQUIREMENTS:

The carpet shall be in accordance with the latest edition of Use of Materials Bulletin (UM) 44d for Type I, Class-1 and Class-2 traffic, except that the heat set plied nylon yarn fiber shall be a minimum of 3.0 denier per filament (dpf) as is defined in TABLE 1. The carpet shall be used for heavy traffic use in single and multifamily dwelling units and restricted to textures A, B, E, and F in Table 1 of UM 44d. The minimum yarn twist shall be 2.75 turns per inch for textures A and B, and a minimum of 4 turns per inch for textures E and F.

**Table 1
Minimum Carpet Requirements and Test Methods**

Characteristics	Value, Minimum	Test Method
Twist Count –Textures “A” and “B”	2.75 Twists per inch	ASTM D1423
Twist Count –Textures “E” and “F”	4.0 Twists per inch	ASTM D1423
Tuft Height	-	ASTM D5823
Pile Weight (oz/yd ²)	Table 2	ASTM D 5848
Density (oz/yd ³)	Table 2	ASTM D 5848
Tuft Bind (lbf)	3.0 (cut pile) / 6.2 (loop)	ASTM D 1335
Dry Breaking Strength (Finished Carpet) –Broadloom only	100 lb	ASTM D 2646
Delamination Strength of secondary backing (lbf/in.) – Broadloom/Modular	2.5 lb/in of width	ASTM D 3936
Delamination Strength of secondary backing (lbf/in.) –Modular with Attached Cushion	2.0 lb/in of width	ASTM D 3676
Colorfastness to light (Xenon arc) (Gray Scale Rating)	4 @ 40 AFU	AATCC 16E
Crocking (Color Transference Chart)	4	AATCC 16
Assessment of Surface Appearance Changes using the CRI Reference Scale	2.5	ASTM D 6119 Practice / Shaw Patented Steps Technology or ASTM D5252/ ASTM D7330 - Assessment of Surface Change

* Copies are available from the American Society for Testing Materials (ASTM) 100 Barr Harbor Drive, P. O. Box C700, West Conshohocken, PA 19428-2959

** Copies are available from American Association of Textile Chemist & Colorists (AATCC) P.O. Box 12215, Research Triangle Park, NC 27709

**Table 2
Minimum Weight and Density Requirements for Type I – Single and Multifamily Housing**

Texture		Carpet Material			
		Class-1 Moderate Traffic		Class-2 Heavy Traffic	
		Weight	Density	Weight	Density
A	Level or Textured Loop	20.0 ozs/yd ²	3300 Ozs/yd ³	26.0 ozs/yd ²	4000 Ozs/yd ³
B	Multi Level Loop	20.0 ozs/yd ²	3300 Ozs/yd ³	26.0 ozs/yd ²	4000 Ozs/yd ³
E	Level Cut and Loop	24.0 ozs/yd ²	1050 Ozs/yd ³	30.0 ozs/yd ²	1725 Ozs/yd ³
F	Cut pile, heat set, plied	24.0 ozs/yd ²	1050 Ozs/yd ³	30.0 ozs/yd ²	1725 Ozs/yd ³

CERTIFICATION AND LABELING:

This certification program shall be in accordance with UM 44d, HUD Building Product Standards and certification Program for Carpet, except as modified by the provision of this Materials Release (MR) and will be administered by MEA Certification, Inc. which is qualified under the Administrator Qualifications and Procedures for HUD Building Product Certification Programs, 24 CFR 200.935.

1. MEA Certification, Inc. shall issue to the carpet manufacturer a label, stamp, or mark containing the Administrator’s validation mark, the manufacturer’s statement of conformance to this MR, the manufacturer’s name, and the code identifying the manufacturing plant location.
2. On Broadloom carpet products, the certification label, stamp, or mark shall be applied to each carpet at least every six (6) feet, and not less than one (1) foot from the edge of the carpet.
3. On Modular products (defined as various shapes and sizes of carpet product precut during manufacturing), the label, stamp or mark shall be applied on the back at a frequency not less than once every 100 square feet.
4. Every six (6) months, three (3) production samples of each carpet from each of the facilities listed below and one (1) annual field sample of each carpet from the market shall be collected by the Administrator for testing in a laboratory accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) of the U.S. Department of Commerce.
5. The Administrator shall also visit each of the production facilities and review the manufacturer’s quality assurance procedures every six (6) months to assure that the manufacturer is following them.
6. If changes are made to the products covered by this MR, the approved third-party certification company shall notify HUD, of these changes and suggest whether to keep/maintain, revise, or suspend this MR within 30 days.

MANUFACTURING PLANTS:

The product covered under this MR will be produced at the following plants:

Shaw Plant 04
2225 S. Hamilton Ext.
P. O. Drawer 2128
Dalton, GA 30720

Shaw Plant 23
2603 Abutment Road
Dalton, GA 30720

Shaw Plant 80
2230 S Hamilton Ext.
P. O. Box 2128
Dalton, GA 30720

Shaw Plant 81
201 Springdale Road
Dalton, GA 30720

Shaw Plant WD
2305 Abutment Rd
Dalton, GA 30720

The contact person for all matters concerning this MR or issues regarding FHA certification at Shaw Industries, Inc. shall be:

Dennis Hart
Group Manager, Product Performance, Technical Support
Box 2128, Mail Drop WD-040
Dalton, GA 30722-2128
PH: 706-532-2653
Email: dennis.hart@shawinc.com

WARRANTY:

Shaw Industries, Inc. warrants this carpet against defects in materials, poor performance or poor workmanship, under normal use for five (5) years from the date of installation. Should any defect, poor workmanship, or poor performance occur, Shaw Industries, Inc. shall make a pro rata allowance for the cost of replacements.

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 installation.

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.
5. If significant changes are made to the product that would by definition revise the previously recognized facts, HUD and MEA will be informed within 30 days of formal implantations of these significant changes.
6. Records of MEA Certifications' audits visits report, and all tests results shall be made available in each production facility

EVALUATION:

This Materials Release 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 Materials Release shall apply for renewal or revision 90 days prior to the Review Date printed on this Materials Release. 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, SW
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 Materials Release may apply for revision at any time prior to the Review Date. Minor revisions may be in the form of a supplement to the Materials Release.

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 24 CFR § 200.934 User fee system for the technical suitability of products program, and the current user fee schedule.

CANCELLATION:

Failure to apply for a renewal or revision shall constitute a basis for cancellation of the Materials Release. HUD will notify the manufacturer that the Materials Release 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 Materials Release 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 nontransferable to any person or successor entity.
