

**DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
Housing - Federal Housing Commissioner**

**Series and Series Number:
MATERIALS RELEASE NO: 1324**

**TO: DIRECTORS, SINGLE FAMILY HOCs
DIRECTORS, MULTIFAMILY HUBs**

ISSUE DATE

July 12, 2007

REVIEW DATE

July 12, 2010

SUBJECT: 1. **Product** Tufted broadloom carpet constructed with Polytrimethylene Terrephthalate (PTT) fiber

2. Name and address of Manufacturer	Mohawk Industries, Inc. P. O. Box 12069 South Industrial Blvd. Calhoun, GA 30703	Mohawk Industries, Inc. Route 1, Box 32 Lyerly, GA 30730
--	---	--

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, heavy and moderate traffic areas in single and multi-family housing

DESCRIPTION:

This carpet is a tufted broadloom constructed with Polytrimethylene Terrephthalate (PTT) fiber.

REQUIREMENTS:

This carpet may be used for heavy and moderate traffic in single and multi-family dwelling units. The minimum pile yarn weight and density shall be as shown in Tables 1 and 2. The minimum yarn twist shall be 3.5 turns per inch.

The carpet shall have a minimum rating of 2.5 when tested in accordance with the Carpet and Rug Institute (CRI) Test Method "Creating Surface Appearance Changes in Carpet by Foot Traffic" and evaluated by CRI Standard 101 "Assessment of Surface Appearance Change using the CRI Reference Scale." Carpeting shall be installed in accordance with the manufacturer's instructions.

Table 1
Minimum Carpet Requirements and Test Methods

Characteristics	Value, Minimum	Test Method
Pile Weight (oz/yd ²)	Table 2	ASTM D 5848*
Density (oz/yd ³)	Table 2	ASTM D 5848*
Tuft Bind (lbf)	6.2 for loop pile 3.0 for cut pile	ASTM D 1335*
Dry Breaking Strength (Finished Carpet)	100 lb	ASTM D 2646*
Delamination Strength of secondary backing (lbf/in.)	2.5 lb/in.	ASTM D 3936*
Colorfastness to light (Xenon arc)(Gray Scale Rating)	4 @ 40 AFU	AATCC 16E**
Crocking (Color Transference Chart)	4	AATCC 165**

Copies are available from 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 1 - Single and Multi-Family Housing

Class	Texture	PTT	
		BCF	
		Weight	Density
Class 1 Moderate Traffic	Level of textured loop	20	3300
	Multilevel	24	3000
	Plush	24	2600
	Twist	24	2950
	Level Cut and Loop	n/a	n/a
	Cut pile, heat set, plied	24	625
	Cut pile, heat set, singles	n/a	n/a

Class 2 Heavy Traffic	Level of textured loop	26	4000
	Multilevel	30	3500
	Plush	32	3350
	Twist	32	3350
	Level Cut and Loop	n/a	n/a
	Cut pile, heat set, plied	28	1440
	Cut pile, heat set, singles	n/a	n/a

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.

MEA Certification, Inc. shall issue to the carpet manufacturer a label, stamp, or mark containing the Administrator’s validation mark, manufacturer’s statement of conformance to this MR, Mohawk Industries, Inc., and the manufacturer’s name or code identifying the manufacturing plant location.

2. 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. Every six (6) months, three (3) production samples and one (1) annual field sample of carpet shall be submitted to the Administrator for testing in a laboratory accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) of the U.S. Department of Commerce.
4. The Administrator shall also review the manufacturer’s quality assurance procedures every six (6) months to assure that they are being followed by the manufacturer.

MANUFACTURING PLANTS:

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

Mohawk Industries, Inc.
Industrial Park Plant
2100 South Hamilton
Dalton, GA 30722

Mohawk Industries, Inc.
Union Grove Plant
(Coating and Distribution only)
447 Union Grove Road
Calhoun, GA 30701

Mohawk Industries, Inc.
Antioch Road Plant
2001 Antioch Road
Dalton, GA 30720

Mohawk Industries, Inc.
Green Street Plant
431 South Green Street
Dalton, GA 30722

Mohawk Industries, Inc.
Lyerly Plant
5081 Highway 114
Lyerly, GA 30730

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

Richard Turner
Senior Manager Corporate Testing
Mohawk Industries, Inc.
5081 Highway 114
Lyerly, GA 30730
PH: 800-241-4494, ext. 46273
FAX: 706-895-2346
Email: Richard_turner@mohawkind.com

WARRANTY:

Mohawk Industries, Inc. warrants carpeting produced with the PTT polymer against manufacturing defects for a period of 5 years, and stain resistance for 5 to 7 years, depending on the specific carpet from the date of installation. Warranties against matting/crushing (wear) range from none, on most builder grade carpets, to 10 or more years on other carpets.

Mohawk warrants that the surface pile will not be worn by abrasion more than 10% in five years when used in an indoor residential installation. If within the warranty period, the pile weight of the carpet, when compared to untrafficked areas, loses more than 10% of its weight, Mohawk will provide a replacement carpet of comparable value for the affected area only (the worn and adjacent areas extending to the nearest wall, doorway, or entrance).

The carpet 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 Mohawk Industries, Inc.'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 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 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:

U. S. Department of Housing & 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.

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.
