



## PRODUCT USE CLASSIFICATION TYPES FOR CARPET APPLICATIONS

### Type I – Single and Multi-family Dwelling Units

Class 1 – For general to moderate traffic use in single family dwellings and living units of multi-family dwellings.

Class 2 – For heavy traffic use in single family dwellings and living units of multi-family dwellings.

### Type II – Multi-Family Housing – Elderly and Care Type Housing

Class 1 – \*For moderate traffic end use applications in public areas such as multi-family housing, assisted living facilities and all areas of Care-Type housing, including private offices, sleeping rooms and some administrative areas.

Class 2 – \*For heavy traffic end use applications at all levels but specifically for public areas such as lobbies, corridors of multi-family housing, assisted living facilities and all areas of Care-Type housing, open offices, entrance ways and areas where large numbers of people congregate.

\*Note: Carpets in Type II Class 1 & 2 may be subject to provisions of state or local codes and provisions of the Americans with Disabilities Act.

### REQUIREMENTS:

1. All products shall be tested in accordance with Table 1 at a frequency defined in the Certification and Labeling section of this document.
2. Colorfastness Tests shall be conducted on 100% of the colors during the initial testing and certification process. Thereafter, only the material from the Annual and Interim Test will be tested for colorfastness.
3. Minimum pile weights and pile densities for each combination of Product Classification Type, Fiber Type, and Carpet Construction Type are shown in Tables 2 and 3. The values for pile weights are expressed as minimums and are acceptable at +/- 7% tolerance for pile weight provided values do not go below the minimum pile weight.

## METHODS/DEFINITIONS

1. Average Pile Thickness (t): The average pile thickness of Level and Textured Loop Pile carpet shall be computed in inches in accordance with ASTM D6859 Standard Test Method for Pile Thickness of Level Pile Yarn Floor Covering, and for multi-level loop pile construction the average pile thickness shall be computed in accordance with ASTM D7241 Standard Test Method for Pile Thickness of Finished Multi-level Pile Yarn Floor Covering for Product Construction Type A – Level, Multilevel or Textured Loops.
2. Average Tuft Height (T): The average tuft height above the backing as determined by ASTM D5823 Standard Test Method for Tuft Height for Pile Floor Coverings for Product Construction Type B – Cut Pile Level, Multilevel or Cut and Loop.
3. Average Pile Density (D): The average pile density shall be weight per unit volume in ounces of total pile yarn per cubic yard, as shown in the following formula:  

$$D = \frac{36 \times (\text{Pile Weight})}{(t \text{ or } T)}$$
4. Dimensional Stability, max (in.) ASTM D7570 – based on a product dimension for an 18” x 18” at a % Change of +/- .15%.

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

Characteristics	Value, Minimum	Test Method
Pile Weight (oz/yd <sup>2</sup> )	Table 2	ASTMD 5848 <sup>1</sup>
Density (oz/yd <sup>3</sup> )	Table 2	ASTMD 5848 <sup>1</sup>
Tuft Bind (lbf)	3.0 (cut pile) 6.25 (loop)	ASTM D 1335 <sup>1</sup>
Dry Breaking Strength (Finished carpet)	100	ASTMD 2646 <sup>1</sup>
Delamination Strength of secondary backing (lbf/in.)	2.5	ASTMD 3936 <sup>1</sup>
Colorfastness to light (Xenon arc) (Gray Scale Rating)	4 (after 40 AATCC fading units)	AATCC 16E <sup>2</sup>
Crocking (Color Transference Chart)	4	AATCC 165 <sup>2</sup>
Denier Per Filament	>3.0	-
Dimensional Stability (Modular)	< +/- .027 in.	ASTM D 7570

<sup>1</sup>Copies are available from the American Society for Testing Materials (ASTM) 100 Barr Harbor Drive, P. O. Box C700, West Conshohocken, PA 19428-2959

<sup>2</sup>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 Multi-Family Housing**

Texture		Carpet Material			
		PET (BCF)			
		Class-1 Moderate Traffic		Class-2 Heavy Traffic	
		Weight	Density	Weight	Density
A	Level or Textured Loop	20 oz/yd <sup>2</sup>	3300 oz/yd <sup>3</sup>	26 oz/yd <sup>2</sup>	4000 oz/yd <sup>3</sup>
B	Multi-level Loop	20 oz/yd <sup>2</sup>	3300 oz/yd <sup>3</sup>	26 oz/yd <sup>2</sup>	4000 oz/yd <sup>3</sup>
C	Plush	24 oz/yd <sup>2</sup>	1500 oz/yd <sup>3</sup>	30 oz/yd <sup>2</sup>	1800 oz/yd <sup>3</sup>
D	Twist				
E	Level Cut & Loop	20 oz/yd <sup>2</sup>	2000 oz/yd <sup>3</sup>	26 oz/yd <sup>2</sup>	2600 oz/yd <sup>3</sup>
F	Cut pile, Cut loop, Heat set, Plied	24 oz/yd <sup>2</sup>	625 oz/yd <sup>3</sup>	28 oz/yd <sup>2</sup>	1440 oz/yd <sup>3</sup>
G	Cut Pile Heat Set Singles	24 oz/yd <sup>2</sup>	1500 oz/yd <sup>3</sup>	30 oz/yd <sup>2</sup>	1800 oz/yd <sup>3</sup>

**Table 3**  
**Minimum Weight and Density Requirements for Type II – Elderly & Care Facilities**

Texture		Carpet Material			
		PET (BCF)			
		Class-1 Moderate Traffic		Class-2 Heavy Traffic	
		Weight	Density	Weight	Density
A	Level or Textured Loop	16 oz/yd <sup>2</sup>	4000 oz/yd <sup>3</sup>	24 oz/yd <sup>2</sup>	4350 oz/yd <sup>3</sup>
B	Multi-level Loop	16 oz/yd <sup>2</sup>	4000 oz/yd <sup>3</sup>	26 oz/yd <sup>2</sup>	4000 oz/yd <sup>3</sup>
C	Plush	30 oz/yd <sup>2</sup>	1800 oz/yd <sup>3</sup>	36 oz/yd <sup>2</sup>	1800 oz/yd <sup>3</sup>
D	Twist				
E	Level Cut & Loop	26 oz/yd <sup>2</sup>	4000 oz/yd <sup>3</sup>	30 oz/yd <sup>2</sup>	4500 oz/yd <sup>3</sup>
F	Cut pile, Cut loop, Heat set, Plied	26 oz/yd <sup>2</sup>	4000 oz/yd <sup>3</sup>	30 oz/yd <sup>2</sup>	4500oz/yd <sup>3</sup>
G	Cut Pile Heat Set Singles	30 oz/yd <sup>2</sup>	1800 oz/yd <sup>3</sup>	36 oz/yd <sup>2</sup>	1800 oz/yd <sup>3</sup>

CERTIFICATION:

This certification program shall be in accordance with the Use of Material Bulletin, UM 44d, HUD Building Product Standards and certification Program for Carpet, except as modified by the provision of this Materials Release (MR) Bulletin. The Administrator shall certify that the carpet(s) described above conform to the requirements of this Bulletin and the following requirements:

1. The Administrator shall issue to the carpet manufacturer: 1) a certification statement of conformance to this MR; and 2) a label, stamp, or mark containing the Administrator's validation mark OR the manufacturer's name or code identifying the manufacturing plant location.
2. This 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. Each product tested and certified under an initial certification program shall undergo physical testing as follows: three (3) production samples per year, are to be submitted from material produced in the facilities listed within this bulletin. One sample will be submitted annually based on the initial certification, with one additional sample sent at four-month and eight-month interim intervals after the annual submittal. All samples shall be submitted to the Administrator for testing in a laboratory accredited by the National Laboratory Accreditation Program (NVLAP) of the U.S. Department of Commerce.
5. The Administrator shall also visit each listed production facility every six (6) months and review the manufacturer's quality assurance procedures to assure the manufacturer follows its procedures.
6. If changes are made to the products covered by this MR, the approved third-party company shall notify HUD, within 30 days, with these changes with suggestions to keep/maintain, revise, or suspend this MR.

MANUFACTURING LOCATIONS:

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

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

Mohawk Industries, Inc.  
Industrial Park Plant  
2100 South Hamilton  
Dalton, GA 30721

Mohawk Industries, Inc.  
Union Grove Plant  
447 Union Grove Road  
Calhoun, GA 30701

Mohawk Industries, Inc.  
Duvall Road Plant  
1149 Duvall Rd.  
Chatsworth, GA 30705

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

Donna Hopkins  
Supervisor Compliance  
Corporate Testing Lab  
Mohawk Industries, Inc.  
508 E. Morris Street  
Dalton, GA 30721  
PH: 706-278-8000, Ext. 21604  
Email: [donna\\_hopkins@mohawkind.com](mailto:donna_hopkins@mohawkind.com)

WARRANTY:

Mohawk 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, Mohawk 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 the products in strict accordance with the terms of this MR.
2. Label the carpet as directed in the CERTIFICATION section. Label should include the Administrator identification number.
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, assist the Office of Manufactured Housing Programs, HUD Headquarters, obtain 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.
5. Inform HUD of changes in production facilities, methods, design or materials used for this product, company name, ownership, or mailing address, within 30 days from the date the changes are made.
6. If in the interval between the Administrator's quality assurance audits, changes are made to the product, HUD and the Administrator shall be informed within 30 days of formal implementations of these significant changes.
7. Records of the Administrator's audit visits report shall be made available.

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 electronically to [HSGmps@hud.gov](mailto:HSGmps@hud.gov).

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 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.

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This Materials Release is issued solely for the captioned firm and is nontransferable to any person or successor entity.

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WE CONCUR IN THE WORDING OF THIS PROPOSED BULLETIN

Manufacturer's representative Name:

Manufacturer's representative Signature:

Date:

Third party certification representative's Name:

Third party certification representative's Signature:

Date: