DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT Housing - Federal Housing Commissioner	Series and Series Number: **MATERIALS RELEASE NO:** 1337c (Supersedes issue dated April 12, 2022)
TO: DIRECTORS, SINGLE FAMILY HOCs **DIRECTORS, MULTIFAMILY HUBs**	**ISSUE DATE** March 18. 2025
	REVIEW DATE March 18, 2028

SUBJECT: **1. Product** Broadloom Carpet and Modular Carpet Made and Manufactured using Polyethylene Terephthalate (PET) and (Polyamide) Piled Nylon

2. Name and address of Manufacturer Engineered Floors, LLC
1502 Coronet Dr.
Dalton, GA 30720

USE:

Moderate and heavy traffic in Single and Multi-Family Dwellings, and Multi-Family Elderly and Care – Type Housing.

DESCRIPTION:

This carpet is a tufted broadloom or modular carpet constructed with Polyethylene Terephthalate (PET) fiber or(Polyamide) Piled Nylon.

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.

Product Construction Types	Description
A. Level, Multilevel or Textured Loop	Pile made from level uncut pile or two or more levels of uncut pile yarns
B. Cut Pile, Level, Multilevel, or Cut and Loop	Pile made from cut, cut and loop, single level or multi-level pile yarns

REQUIREMENTS:

1. All products shall be tested in accordance with Table 1.0 at a frequency defined in the Certification and Labeling section of this document (Unless specified differently by testing characteristic in Table 1.0).

2. Colorfastness Tests shall be conducted on colors selected 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 yarn densities for each combination of Product Classification Type, Fiber Type, and Carpet Construction Type are shown in Tables 2.0A and 2.0B. The values for pile weights are expressed as minimums and are acceptable at +/- 7% tolerance for pile weight as long as 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, Multilevelor 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- CutPile Level, Multilevel, or Cut and Loop.

3. Average Pile Density (D) The average pile density shall be weight per unit volume in ounces of totalpile yarn per cubic yard, as shown in the following formula.

   $$D = \frac{36 \times (\text{Pile Weight})}{(t \text{ or } T)}$$

4. Materials for Pile Yarn:

   a. Nylon (Continuous Filament – BCF) Average filament size for fiber shall be 3.0 denier or greater for Type I applications and 12 denier or greater for Type II applications.

   b. Polyester (PET) (Continuous Filament – BCF) Average filament size for fiber shall be 3.0 denier orgreater for Type I applications and 12 denier or greater for Type II applications.

5. Dimensional Stability (Modular Only), max +/-.027 inches change. ASTM D7570 – This test method covers the dimensional changes in the lengthwise and widthwise distortion that occurs with changes in moisture and heat in a changing environment.

**Reference ASTM D5684 Terminology for definition of Level and Multi-level Pile Yarn Floor Covering*

Table 1.0

Product Minimum Requirements and Test Methods for Product Classification Types I and II

Characteristic	Minimum Value	Test Method
Pile Yarn Weight (oz. / yd^2)	Table 2.0 A & B	ASTM D5848 – Mass Per Unit Area ofPile Yarn Floor Covering
Tuft Bind (lb.)	6.25 lb. - Product Construction Type A, 3.0 lb. - Product Construction Type B	ASTM D1335 - Tuft Bind of Pile YarnFloor Covering
Delamination Strength of Secondary Back (lb./in) - Broadloom/Modular	2.5lb f/in Broadloom 2.0lb f/in Modular	ASTM D3936 - Resistance to Delamination of the Secondary Backingof Pile Yarn Floor Covering
Colorfastness to Light - Xenon Arc	4.0 after 40 fading units	AATCC Test Method 16.3, Colorfastnessto Light – Xenon Arc using AATCC Evaluation Procedure 1
Colorfastness to Crocking	4.0	AATCC Test Method 165, Colorfastnessto Crocking using AATCC Evaluation Procedure 2 or 8
Density (oz./yd^3)	Table 2.0 A & B	Density = 36 x (Pile Weight)/(t or T)
Dimensional Stability (Modular Only),max. (in.) - Structured/Extruded/Hard Back, Attached Cushion Modular	+/- 0.027 in.	ASTM D7570 Standard Test Method forEvaluation of Dimensional Stability of Pile Yarn Floor Covering

Copies of ASTM standards are available from American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive, PO BoxC700, West Conshohocken, PA, 19428-2959 USA Website: www.astm.org

Copies of AATCC standards are available from American Association of Textile Chemists and Colorists (AATCC),PO Box 12215, Research Triangle Park, NC 27709. Website: www.aatcc.org

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.

Table 2.0A
Minimum Weight and Density Requirements for Product Classification-Type I

TYPE I	Construction Type	NYLON BCF		PET BCF	
Class		**Wt.**	**Density**	**Wt.**	**Density**
1	A. Level, Multilevel, or Textured Loop	20	3200	20	3200
1	B. Cut Pile Level and Multilevel, Cutand Loop	24	1000	24	1000
2	A. Level, Multilevel, or Textured Loop	26	4000	26	4000
2	B. Cut Pile Level and Multilevel, Cutand Loop	30	1725	30	1725

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,associated living facilities, and all areas of Care-Type housing, including private offices, sleepingrooms, and some administrative areas.

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

Table 2.0B
Minimum Weight and Density Requirements for Product Classification - Type II

Type II	Construction Type	NYLON BCF		PET BCF	
Class		**Wt.**	**Density**	**Wt.**	**Density**
1	A. Level, Multilevel or Textured Loop	14	3600	16	4000
1	B. Cut Pile Level and Multilevel, Cutand Loop	20	2800	26	4000
2	A. Level, Multilevel or Textured Loop	20	4200	24	4350
2	B. Cut Pile Level and Multilevel, Cutand Loop	24	4000	30	4500

CERTIFICATION:

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. 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 of the production facilities and review the manufacturer's quality assurance procedures every six (6) months to ensure 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, within 30 days of these changes and suggest whether to keep/maintain, revise, or suspend this MR.

MANUFACTURING LOCATIONS:

The product covered under this MR will be produced at the following four plant(s):

Engineered Floors, LLC
100 Bently Drive
Calhoun, GA 30701

Engineered Floors, LLC
1025 Enterprise Drive
Dalton, GA 30721

Engineered Floors, LLC
3829 S. Dug Gap Road
Dalton, GA 30721

Engineered Floors, LLC
818 J and J Drive
Dalton, GA 30721

The contact person for all matters concerning this MR shall be:

Joshua McNeese
Phone: (706) 231-9716
Email: joshua.mcneese@engineeredfloors.com

WARRANTY:

Engineered Floors, LLC warrants carpet produced under this Material Release against manufacturing defects for a period of 5 years (minimum) from the date of installation.

The carpet manufacturer's warranty does not, in any way, relieve the builder of responsibility under the term of the Builder's Warranty required by the National Housing Act or under any provisions applicable to any other housing program. The builder shall furnish a copy of Engineered Floors, LLC's warranty to the owner upon completion of the property

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. Label the carpet at least every six (6) feet and not less than one (1) foot from the edge of the carpet. Labels should include the MEA Certification's identification number.

3. Provide necessary corrective actions in a timely manner for all cases of justified complaint, poor performance or failure reported to HUD.

4. When requested, provide to 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, within normal business confidentiality practices.

5. Inform HUD, in advance, of changes in certification agency, production facilities, methods, design of the product, company name ownership or mailing address.

6. If between MEA Certification's quality assurance audits, changes are made to the product, HUD and MEA Certifications, Inc. shall be informed within 30 days of formal implementations of these significant changes.

7. Records of MEA Certification's audits visits report shall be made available in each production facility.

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.

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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