

<p align="center"><b>DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT</b> Housing - Federal Housing Commissioner</p> <p><b>TO: DIRECTORS, SINGLE FAMILY HOCs</b> <b>DIRECTORS, MULTIFAMILY HUBs</b></p>	<p><b>Series and Series Number:</b> <b>MATERIALS RELEASE NO: 1337</b></p>
	<p><b>ISSUE DATE</b></p> <p align="center">April 27, 2011</p>
	<p><b>REVIEW DATE</b></p> <p align="center">April 27, 2014</p>
<p><b>SUBJECT:</b></p> <p>1. <b>Product</b> Cut Pile, Heat Set, Plied Broadloom Carpet Made Manufactured using Polyethylene Terephyhalate (PET) – Style: EF298</p> <p>2. <b>Name and address of Manufacturer</b> Engineered Floors, LLC 100 Bentley Drive Calhoun, GA 30701</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: Moderate and heavy traffic in Single and Multi Family Dwellings.

DESCRIPTION:

This carpet is a tufted broadloom constructed with Polyethylene Terephthalate (PET) fiber.

REQUIREMENTS:

Table 1  
Minimum Carpet Requirements and Test Methods

Characteristics	Value, Minimum	Test Method
Denier Per Filament	10.0 dpf	-
Twist Count	5 Twist per inch	-
Tuft High	0.64 inch	-
Pile Weight (oz/yd <sup>2</sup> )	Table 2	ASTM D 5848*
Density (oz/yd <sup>3</sup> )	Table 2	ASTM D 5848*
Tuft Bind (lbf)	3.0	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**
CRI Standards 101 - Assessment of Surface Appearance Changes using the CRI Reference Scale	3.4	CRI test method 100 or ASTM D 5252

\* 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

Texture		Carpet Material	
		PET	
		Weight	Density
F	Cut pile, heat set, plied	24.0 ozs./yd <sup>2</sup>	1000 Ozs./yd <sup>3</sup>

PRODUCT CERTIFICATION:

MEA Certifications shall certify that the carpet(s) described above conform to the requirements of this MR and the following requirements:

1. MEA Certifications, Inc. shall issue to the carpet manufacturer: 1) a certification statement of conformance to this MR; and 2) a label, stamp or mark containing the MEA Certifications' validation mark *OR* the manufacturer's name or code identifying the manufacturer's 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. MEA Certification every six (6) months shall visit each of the production facilities listed below. MEA Certification shall, as a minimum, review each of the production facility's Quality Control Manual (QCM), Quality Assurance procedures, in line testing, record keeping, and corrective actions. Record of such visits shall be made available in each production facility and in MEA Certifications' headquarter.
4. MEA Certifications shall collect from each production facility every six (6) months, three (3) production samples. MEA Certifications shall collect one (1) annual sample from the market (i.e., distributor or dealer) not from the production facility. All samples shall be submitted, by MEA Certifications, to a third party for testing in a laboratory accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) of the U.S. Department of Commerce. The testing shall include all minimum carpet requirements in Table 1 and minimum requirements in Table 2 of this MR. Records of such tests shall be made available in each production facility and in MEA Certifications' headquarter.

PRODUCTION FACILITIES LOCATION:

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

Engineered Floors, LLC  
100 Bentley Drive  
Calhoun, GA 30701

The contact person:

Danny Freeman  
Phone: (706) 625-4334  
Email: [danny@engineeredfloorsllc.com](mailto:danny@engineeredfloorsllc.com)

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. 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 Certifications' 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 FHA Standards, Office of Manufactured Housing Programs, HUD Headquarters, 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 in the interval between MEA Certifications quality assurance audits, changes are made to the product, HUD and MEA Certifications shall be informed within 30 days of formal implementations of these significant changes.
7. Records of MEA Certifications' audits visits report shall be made available in each production facility.

WARRANTY:

Engineered Floors, LLC warrants carpet produced under this Material Release against manufacturing defects for a period of 10 years 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 pro-visions applicable to any other housing program. A copy of Engineered Floors, LLC's warranty shall be furnished by the builder to the owner upon completion of the property.

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 Seventh Street, SW, Room 9164  
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.

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, ownership, name, address, or production facilities, 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 not transferable to any person or successor entity.

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