

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

Series and Series Number:
MATERIALS RELEASE NO: 1296c
(Supersedes issue dated
September 28, 2004)

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

ISSUE DATE

June 4, 2007

REVIEW DATE

June 4, 2010

SUBJECT: 1. Product RAUPEX[®] Crosslinked Polyethylene (PEX) Plastic Pipe and Fittings

**2. Name and address
of Manufacturer** REHAU[®] Incorporated
P. O. Box 1706
Leesburg, VA 20177

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: For use in potable hot and cold water distribution systems up to a maximum continuous pressure of 160 psi at 73°F, 100 psi at 180°F and 80 psi at 200°F and use in hydronic radiant heating systems.

DESCRIPTION:

The REHAU Incorporated RAUPEX water distribution system shall be made from high density polyethylene having a minimum density of 58 lbs/ft³. The pipe shall have one standard dimension ratio (SDR9) and the fittings shall have a nominal size of 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", and 2". Only fittings recommended by REHAU Incorporated are acceptable for use with the RAUPEX system.

REQUIREMENTS:

The REHAU Incorporated RAUPEX water distribution system shall comply with the following standards or most recent revisions thereof:

ASTM F 876	"Standard Specification for Crosslinked Polyethylene (PEX) Tubing"
ASTM F 877	"Standard Specification for Crosslinked Polyethylene (PEX) Plastic Hot and Cold Water Distribution Systems"
ANSI/NSF 14	Plastic Piping Components and Related Materials
ANSI/NSF 61	Drinking Water Systems Components-Health Effects
REHAU PUBLICATION 855.620	"Pex Plumbing Systems Technical Manual"

INSTALLATION:

- 1 The REHAU Incorporated RAUPEX PEX plastic pipe and fitting system shall be installed according to the manufacturer's instructions described in REHAU Incorporated Pex Plumbing System Technical Manual – REHAU Publication 855.620

Only fittings approved by REHAU Incorporated shall be used.

2. The RAUPEX plastic pipe shall not be exposed to direct sunlight for the period specified by REHAU Incorporated for each product.
3. Do not install RAUPEX pipe within 6" of any gas appliance vents, or within 12" of any recessed light fixtures.
4. RAUPEX plastic pipe should not be anchored rigidly, but allow 3/8" to 1/2" per yard of pipe for thermal expansion.
5. The minimum bend radius for RAUPEX plastic pipe shall be five times the outside diameter of the pipe being used.

CERTIFICATION AND LABELING:

REHAU Incorporated certifies that the RAUPEX crosslinked polyethylene pipe and fittings and systems shall be produced in conformance to this MR, and are in compliance with a validation program at NSF International, Inc. NSF International, Inc. shall inspect the manufacturer's facility to assure that the quality assurance procedures are being followed. Four samples of this product shall be selected and tested each year to validate the manufacturer's conformance to the requirements of this MR. Pipe and fitting certified as conforming to this MR, shall be labeled or otherwise identified with the following information:

1. The NSF validation mark.
2. The manufacturer's name.
3. The manufacturer's conformance to this MR.

MANUFACTURING PLANTS:

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

REHAU, Incorporated
Plant Cullman
2424 Industrial Drive, S.W.
Cullman, AL 35055-6335
Contact: Mr. Keith Messick
256-737-3028

REHAU AG + Co.
Plant Viechtach 5
Schmidtstrasse 23
D-94234 Viechtach
Germany
Contact: Mr. Gerhard Schlund
49-9942-807800

WARRANTY:

REHAU Incorporated warrants the RAUPEX crosslinked polyethylene pipe and fittings specifically to the terms of the REHAU PEX LIMITED WARRANTY (REHAU Publication 855.011).

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 a 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 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 the 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 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:

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.
