U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
ASSISTANT SECRETARY FOR HOUSING-FEDERAL HOUSING COMMISSIONER

TO: DIRECTORS, HOUSING DIVISION
DIRECTORS, MULTIFAMILY DIVISION
DIRECTORS, SINGLE FAMILY DIVISION

Series and Series Number:
(Supersedes issue dated July 13, 1992)
MATERIALS RELEASE NO. 1217b

ISSUE DATE: January 7, 1997

REVIEW DATE: January 7, 2000

SUBJECT: 1. Product
EPDM Rubber Roofing Systems

2. Name and Address of Manufacturer
North American Roofing Systems, Inc.
1660 Hendersonville Road
Asheville, NC 28803

Data on the nonstandard product described herein have been reviewed by the Department of Housing and Urban Development 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, approval or acceptance by HUD of the described product, and any statement or representation, however made, indicating such approval, endorsement or acceptance by HUD is unauthorized. See Code 18, U.S.C. 709.

Any reproduction of this Release must be in its entirety.

USE: Roof covering for flat and low-slope roofs.

DESCRIPTION AND MATERIALS:

North American Roofing Systems, Inc. (NARS) Adhered/Perma-Lock Roofing System may be installed over existing roofing, or as a new roof system.

The components of the North American Roofing System are as follows:

A. The Membrane shall be .045 inches (45 mil) thick EPDM (Ethylene Propylene Diene Monomer), having a weight of 0.28 pounds per square foot.

B. North American NA 045 EPDM membrane sheet size shall be of the largest sheet possible as determined by existing job site conditions.

C. North American Flashing membrane shall be .060 inches thick uncured neoprene or uncured EPDM, as needed.

D. North American NA 8065 Splice Adhesive used to splice membrane and flashing laps.

E. North American NA 8030 Bonding Adhesive used in all bonding applications of membrane, and flashing to various surfaces.

F. North American NA 8029 Lap Sealant used to seal the exposed edges of all field fabricated splices.

G. North American NA 8050 Water Block Sealer.

H. North American NA 8098 Pourable Sealer.

I. Termination Bars.

J. Perma-Lok Discs (8" nominal diameter), and locking plugs and caps.

K. FM approved screws and attachment plates.

L. Pipe and vent molded flashings.

Materials used in conjunction with the roofing systems, which are not products of North American Roofing Systems, shall be approved in writing by NARS.

Physical properties of the EPDM membrane (tensile strength, elongation, tear resistance, ozone resistance, heat aging, brittleness, water absorption, shear strength, aging, etc.) are on file at HUD Headquarters and NARS.

WIND AND FIRE CLASSIFICATIONS:

Mechanically fastened roofing systems shall be designed to resist wind uplift forces as determined in the Wind Design Guide for Mechanically Fastened Single-Ply Roofing Systems published by the Single Ply Roofing Institute (SPRI).

Ballasted roofing systems shall be designed in accordance with the Wind Design Guide for Ballasted Single-Ply Roofing Systems published by SPRI.

Fire Classification shall be in accordance with Underwriters Laboratories, Inc. (UL) or Factory Mutual Engineering Corporation (FM) construction details. To qualify for fire rating and uplift resistance, the system shall be in the current UL or FM Listings.

INSTALLATION:

1. General

The North American Adhered/Perma-Lok Roofing Systems shall be installed by roofing contractors approved or licensed by North American, and installation shall be in accordance with North American Roofing Systems Specifications and Details.

2. Substrate preparation

Preparation of the substrate shall comply with the latest edition of North American Roofing Systems Specifications and Details. Design of the roof deck is the responsibility of the owner or his architect/engineer.

3. Insulation

Insulation or underlayment must be approved, in writing, by North American as to thickness and type. Insulation shall be installed in accordance with insulation manufacturer's recommendations, and North American Roofing Systems Specifications and Details.

4. Membrane Installation

Membrane installation, including placing, mechanical fasteners, bond lap splicing, perimeter attachment, flashing, construction closure, walkways and other work to provide watertight roofing systems shall comply with appropriate North American Roofing Systems Specifications and Details.

INSPECTION:

A designated representative of North American Roofing Systems shall make inspections of the installation at the following intervals: (1) prior to delivery of materials - to accept or reject the roof deck to which the roofing system is to be applied; (2) during the installation - to inspect and approve the installation method and techniques; and (3) upon completion - to give final approval to the installation.

WARRANTY:

North American Roofing Systems, Inc. (NARS) shall give the following warranty to the owner, and the warranty shall automatically transfer to successors upon completion of the transfer procedure, as outlined in the attached Transfer Policy, for a total warranty period of ten years.

NARS hereby warrants to the owner of its roofing system, installed by an applicator approved by NARS, that the system will remain in a watertight condition and will retain at least 80% of its specified aged thermal resistance value, if applicable, for a period of ten years from the date of installation. In the event of failure of the aforesaid system to function as warranted above, whether on account of defective materials, faulty installation or on account of normal processes of wear and aging, NARS will make, or cause to be made, repairs necessary to enable the system to perform as warranted above.

NARS obligations to repair the system under this warranty shall not be in force or effect unless: (1) NARS is notified, in writing, of any failure of the system covered by the warranty within thirty (30) days following such failure; (2) the system installed by an applicator approved by NARS and (3) no alterations or repairs to the system are made without the prior written approval of NARS as to the extent, methods and materials used.

NARS assumes no liability for any failure of the system resulting from wind forces which exceed the design wind, nor for Acts of God, including without limitations, lightning or earthquake; nor for any failure of the systems resulting from fire of any origin or cause, nor for any failure of the product caused by movement of the substrate, or by structural defects of the building on which the system is applied; nor from deliberate misuse of the product; nor for any failure of the system caused by leakage, or any other cause from an adjacent structure.

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 Office of Consumer and Regulatory Affairs, 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 renewal or revision 90 days prior to the Review Date printed on this MR. Submittals for renewal or revision shall be sent to HUD Headquarters. Appropriate User Fee shall be sent to:

U. S. Department of Housing and Urban Development
Technical Suitability of Products Fees
P. O. Box 954199
St. Louis, MO 63195-4199

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 this 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 not transferable to any person or successor entity.
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