DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT Housing - Federal Housing Commissioner	Series and Series Number: MATERIALS RELEASE NO: 1322
TO: DIRECTORS, SINGLE FAMILY HOCs DIRECTORS, MULTIFAMILY HUBs	ISSUE DATE September 14, 2006
	REVIEW DATE September 14, 2009

SUBJECT: 1. **Product** Senerflex Classic PB Wall System, Senerflex Channeled Adhesive Design

2. **Name and address of Manufacturer** BASF Wall Systems, Inc.
3550 St. Johns Bluff Road, South
Jacksonville, FL 32224-2614

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: Exterior Insulation and Finish System (EIFS) and vertical drainage channels to allow drainage for incidental moisture.

DESCRIPTION:

The Senerflex Classic PB Wall System is an exterior wall covering systems, which is applied to exterior walls. Senerflex Classic PB Wall System is an adhered system. The System components consist of an insulation board, adhesive, polystyrene insulation board, a base coat, reinforcing mesh, and a finish coat.

The Senerflex Channeled Adhesive Design Wall System is an adhered composite drainage EIFS applied to the exterior, steel framed walls with water-resistant core gypsum sheathing, Dens-Glass Gold sheathing, or PermaBase cement board sheathing; to exterior, wood-framed walls with wood-based structural sheathing [plywood and oriented strand board (OSB)]; or to exterior walls of concrete or concrete masonry substrates. The system components include a liquid-applied weather-resistive barrier coating, adhesive, rigid flat insulation, base coat, reinforcing mesh, and finish coat.

GENERAL CONDITIONS:

The Senerflex Classic PB Wall System and Senerflex Channeled Adhesive Design Wall System shall be designed and installed in accordance with Senerflex Classic PB Wall System and Senerflex Channeled Adhesive Design wall specifications and details except where modified by this Material Release (MR). The system shall be installed by an applicator that is approved by BASF Wall Systems, Inc. The approved applicator shall be responsible for certifying that the installed polystyrene insulation board is in compliance with this MR. BASF shall maintain a current list of approved sealant systems, which are compatible with the BASF Wall Systems specifications and details. The Senerflex Classic PB Wall System shall be in compliance with Table 1.

Field quality control shall be the responsibility of the approved applicator, BASF, upon notification by the general contractor. Field inspections shall be performed by a BASF technical representative shall participate in the prejob conference at the beginning of each project. The BASF inspector shall verify the soundness of the structural substrate for acceptance of the Senerflex Classic PB Wall System. All joints shall be designed and constructed on the assumption that a leak can occur in the primary seal. A secondary seal or other defense against leaks shall be provided together with a built-in means of dispensing any water.

TABLE 1

Materials Requirements	**Test Method**
Salt spray resistance	ASTM B 117
Tensile Bond	ASTM C 297
Freeze-thaw Tests	ICC ES Acceptance Criteria for EIFS (AC219)
Water Resistance Tests	ASTM D 2247
Fire Tests	ASTM E119
Structural Performance Tests	ASTM E 330
Wind Driven Rain Resistance Tests[1]	Section 1403.2, Exception 2, of the IBC
Accelerated Weathering Test	ASTM G-23 and ASTM D-897

[1] Not required for concrete or masonry construction.

INSTALLATION:

Installation shall be in compliance with Senerflex Classic PB Wall System specifications and details, Senerflex Channeled Adhesive Design specifications and details, HUD Minimum Property Standards (MPS) and all conditions of this MR and shall follow examination, preparation and application guidelines as follows.

1. Examination:

   Examine surfaces to receive Senerflex Classic PB Wall System and Senerflex Channeled Adhesive Design System, and verify that substrate and adjacent material are dry, clean, structurally sound, and free of releasing agents, paint, or other residue or coatings. Substrate surface shall be free of fins or irregularities greater than ¼ inch in 10ft.

2. Preparation:

   a. Protect all surrounding areas and surfaces from damage and staining during application of Senerflex Classic PB Wall System.

   b. Protect finished work at end of each day's work to prevent water penetration.

   c. Prepare substrates in accordance to Senerflex Classic PB Wall System instruction.

3. Application:

   Senerflex Classic PB Wall System and Senerflex Channeled Adhesive Design System are to be installed in accordance to Senerflex Classic PB Wall System, and Senerflex Channeled Adhesive Design System specification and details.

MANUFACTURING LOCATIONS:

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

BASF Wall Systems, Inc.
Box 1228
Rt. 13 & Beaver Dam Road
Bristol, PA 19007

BASF Wall Systems, Inc.
1103 Northpointe Parkway
Acworth, GA 30102

BASF Wall Systems, Inc.
2355 W. Longhorn Drive
Lancaster, TC 75134

BASF Wall Systems, Inc.
38403 Cherry Street
Newark, CA 94560

BASF Wall Systems, Inc.
9658 State Road 43
Streetsboro, OH 4421

CERTIFICATION:

BASF shall furnish each applicator with a certificate stating that the applicator is approved to perform the work of installing the Senerflex Classic PB Wall System. BASF shall provide the local HUD Office, the owner and the builder with a list of approved applicators upon request. A copy of all approvals required by this MR shall be provided to the owner and the local HUD Office by BASF.

Senergy products are manufactured under a comprehensive Quality Control Plan and Management System that includes policies, responsibilities, production flow and methods, specifications, identification, traceability, etc.

The products used in this MR must be approved as conforming to this MR and must be marked with the following information:

a. Product Identification/Names
b. Manufacturer's name or logo
c. HUD MR 1322

MANUFACTURER'S WARRANTY:

A. BASF offers a five-year material warranty for Senerflex Classic PB Wall System installations under provisions of Section [01700][01740] of the BASF warranty statement.

B. BASF offers a five-year material and labor warranty for Senerflex Classic PB Wall provisions of Section [01700][01740] of the BASF warranty statement.

C. Comply with Senergy Project Review requirements and notification procedures to assure qualification for warranty.

MANUFACTURER'S RESPONSIBILITIES:

Issuance of this MR commits the manufacturer to fulfill, as a minimum, the following:

1. Produce, label and certify that material, product or system is 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 of 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 change 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 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:

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 fees 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. The revision 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:

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 Material Release is issued solely for the captioned firm and is not transferable to any person or successor entity.
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