



NEW YORK STATE DEPARTMENT OF STATE
STATE FIRE PREVENTION AND BUILDING CODE COUNCIL

Certificate of Acceptability No. 0075

George E. Pataki
Governor
Alexander F. Treadwell
Secretary of State

Expiration date : December 20, 2001

Page 1 of 3

1. MANUFACTURER

Dryvit Systems, Inc.
One Energy Way
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Telephone: (401) 822-4100
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2. PRODUCT

Dryvit Outsulation System.

3. USE

Exterior Insulation and Finish System (EIFS) for buildings of Type 1, 2, 3, 4, or 5 construction for all occupancy classifications.

4. DESCRIPTION

4.1 General

The Dryvit Outsulation System is a non-load bearing exterior cladding and insulation system designed as a barrier wall to prevent water from entering the building. The system components are applied in successive layers onto an approved substrate. The substrate may be an approved sheathing on metal studs for types 1, 2, and 3 construction, masonry or concrete, or an approved sheathing on combustible walls. For Types 1, 2, and 3 construction, approved substrates on metal studs are exterior grade gypsum sheathing meeting requirements of ASTM C79 or ASTM C1177, and cementitious boards. For Type 5 construction, approved exterior wood-base sheathing is permitted.

4.2 System Components

4.2.1 Insulation Board

Expanded Polystyrene (EPS) Board Type 1 as defined by ASTM C578, dimensions 2' x 4' x 3/4" to 4" thick with a nominal density of 1 pcf meeting Dryvit specification DS131.

4.2.2 Adhesive

Primus®, Genesis®, polymer-base material field mixed with Portland Cement for non wood-based substrates; ADEPS®, non-cementitious factory-mixed adhesive used with wood-base substrate; Primus D™, dry blend adhesive field mixed with water for use with wood-based substrates.

4.2.3 Base Coat

The layer of one or more layers of reinforcing mesh fully embedded in the base coat material applied to the face and edges of the insulation board.

4.2.4 Base Coat Material

The approved material applied to the face and edges of the insulation board to embed the reinforcing mesh. The products Primus, Genesis, and NCB™, a non-cementitious material, are approved base coat materials.

4.2.5 Reinforcing Mesh

A treated open-weave fiberglass mesh available in various weights and tensile strengths embedded in the base coat material to provide crack and impact resistance.

4.2.6 Exterior Finish

An acrylic-based protective coating available in a variety of textures and colors applied to the outside surface of the base coat for resistance to weather exposure and aesthetic purposes

4.3 Field Erection

Where the insulation board is applied to a sheathing substrate on metal studs, the sheathing shall be placed on the exterior side of the studs and provide a thermal barrier between the insulation board and building interior. When installed on a sheathing substrate for combustible walls, the wall cavity shall be insulated with noncombustible material covered by a thermal barrier on the interior side. Where the exterior wall is required to have a fire-resistance rating, the rating shall not be diminished by the EIFS.

The Outsulation System is to be installed in accordance with the manufacturer's requirements onto an approved substrate. Installation begins at the base of the walls starting with the insulation board. The board is boned to the substrate with an

approved adhesive and tightly butted together in a running bond pattern interlocked at corners with joints offset from substrate joints. The edges are wrapped at system terminations, openings, expansion joints, and abutments of dissimilar materials. Irregularities are removed from the surface to provide a smooth, flush base free of gaps for applying the base coat and encapsulating the insulation. The insulation board must be fully encapsulated to eliminate any exposed surfaces.

The base coat material is applied to the insulation board and the reinforcing mesh embedded. Where increased impact resistance is required, multiple layers of base coat material and reinforcing mesh are applied in accordance with the manufacturer's requirements. A sealant is provided at expansion joints, system termination joints, and flashing, etc., to prevent water from penetrating behind the system. The finish coat is applied to the base coat surface when dry, using float or spray techniques to achieve the desired texture.

5. BASIS FOR ACCEPTABILITY

5.1 Applicable Code Section

- 5.1.1** EIFS are permitted under the NYS UFP&BC by Sections 719.2(c), 741.2(c), and 773.2(c) which allow the use of foam plastic insulation as an integral component within a wall assembly approved for the intended use.
- 5.1.2** Under its authority to certify the acceptability of building materials, delegated by the State Fire Prevention and Building Code Council, the Division of Code Enforcement and Administration has designated additional standards for flame propagation, ignitability, potential heat, and fire endurance for approval of EIFS used on exterior walls of buildings of Type 1, 2, 3, and 4 construction.

5.2 Submitted Information

- 5.2.1** The manufacturer has provided evaluation reports on the Outsulation System's successful completion of fire testing standards ASTM E119, ASTM E108 Modified, ASTM E84, UBC 17-6, and the BOCA Radiant Heat Exposure Test for evaluation of smoke development, flame propagation, ignitability, and fire endurance, satisfying code fire-safety requirements for the intended use.
- 5.2.2** Materials and drawings have been provided representing installation requirements and generic wall sections noting the system components in detail.

6. CONDITIONS OF ACCEPTABILITY

- 6.1** This certificate is valid for a period of two years from the date of issuance unless sooner revoked, and is subject to renewal thereafter. Certificates that are not re-certified shall not be used or referred to. In order to determine the current certification status, please contact the Division of Code Enforcement and Administration at (518) 474-4073, or www.dos.state.ny.us/code/camenu.html.
- 6.2** The manufacturer shall supply instructions that provide information on the approved installation and use of the product. Any conflicts between this certificate and the manufacturer's installation instructions void this certificate. Materials and methods of construction shall conform to the test results, brochures, and specifications submitted to and on file with the Division.
- 6.3** This certificate is considered revoked upon expiration or de-listing by the applicable listing agency, if such approval was listed as a basis for acceptability found in Section 5 above.
- 6.4** The installation shall conform with the requirements of subdivision 4.3 above for field erection.
- 6.5** Application shall be by installers listed as currently trained by Dryvit Systems, Inc.
- 6.6** **A registered architect, licensed professional engineer, or approved inspection agency shall inspect and certify to the building official that the substrate, the waterproofing details, and the system application comply with the requirements of this Certificate of Acceptability.**
- 6.7** A slope of inclined surfaces such as sills and tops of parapets shall not be less than 6 in 12 inches.
- 6.8** All edges, including the roof line and the bottom of the walls shall be protected with reinforcing mesh, finished, and waterproofed with the approved sealant or appropriate flashing.
- 6.9** Exterior walls shall conform with the required minimum distance separation, except that EIFS cladding shall not be considered in determination of the requirement, and the minimum separation shall not be less than 5 feet.

7. INFORMATION TO BE SUBMITTED TO CODE ENFORCEMENT OFFICIAL

In order to aid in determination of compliance with this certificate, documents submitted to officials charged with enforcement of the Code shall reflect at a minimum the following information:

- 7.1** Methods of installation at all wall openings, corners, and panel terminations.
- 7.2** Location and configuration of control joints (if required).
- 7.3** Typical cross sectional configuration showing all components of the wall.
- 7.4** Typical wall configuration showing details of penetrations of the system.

8. PRODUCT IDENTIFICATION

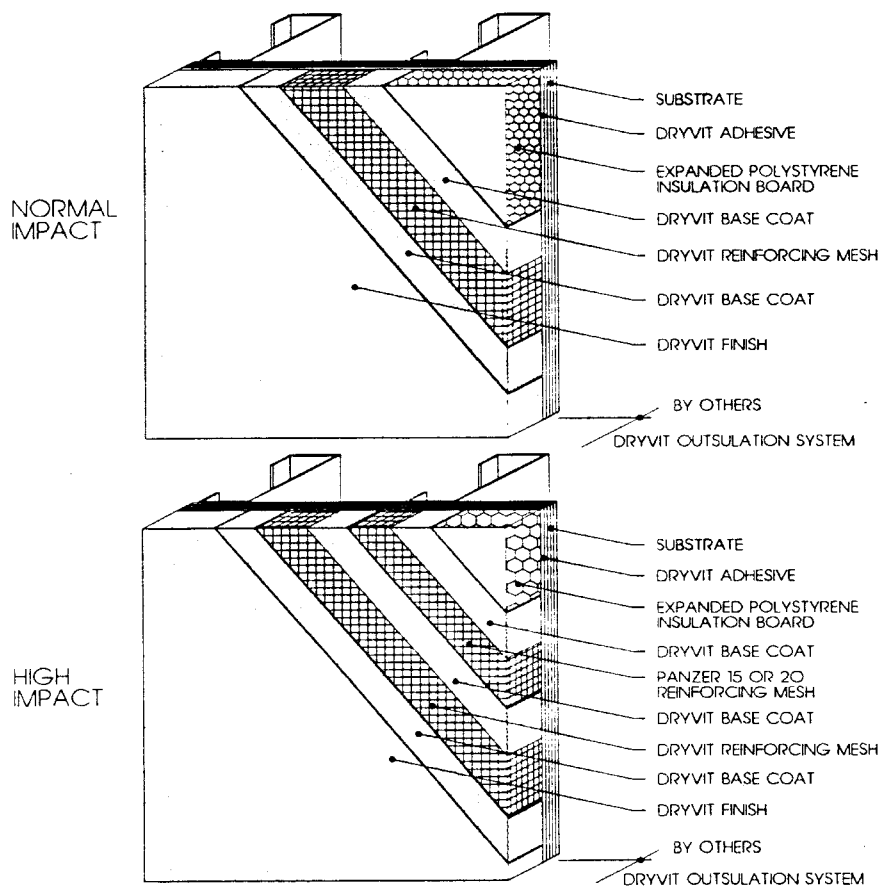
8.1 All components shall be clearly labeled and packaged in containers from the manufacturer or authorized distributors.

9. REFERENCED INFORMATION

9.1 This exterior wall insulation and finish system was previously covered under Certificate of Acceptability No.480-81-M&MC and revised in December of 1999.

9.2 The following figure is printed from Dryvit Publication DS 107, Outsulation System Installation Details. Design, specification and construction are the responsibility of the design professional and the drawings shown in figure 1 are for general information and guidance only.

Figure 1



This Certificate of Acceptability certifies that the State Fire Prevention and Building Code Council has determined that the product specified in Division File No. CA 0075 complies with the performance requirements set forth in the New York State Uniform Fire Prevention and Building Code when installed in accordance with the Conditions of Acceptability listed under Section 6 above. Please contact the Division with any questions you may have regarding this certificate or if you have any information on the performance of the product described herein which is contrary to this certificate.

Date of issuance: December 20, 1999

George E. Clark, Jr.
 Director of Code Enforcement and Administration