



Product Evaluation

EC72| 0418

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: EC-72

Effective Date: April 1, 2018

Re-evaluation Date: April 2022

Product Name: Dryvit Outsulation® RMD System

Manufacturer: Dryvit Systems, Inc.
One Energy Way
West Warwick, RI 02893
(401) 822-4100

General Description:

The Dryvit Outsulation RMD System is an exterior insulation and finish system (EIFS) with drainage that is used as an exterior wall cladding system on building exteriors. The system is comprised of a code recognized water-resistive barrier, a means of drainage, an adhesive applied EPS insulation board, reinforced base coat, and a 100% acrylic polymer finish. The finish is available in various colors and textures.

Limitations:

Wall Construction: Exterior wall framing and exterior wall construction must be as specified in the assemblies listed in this evaluation report.

Design Wind Pressures: The design wind pressures must be as specified in the assemblies listed in this evaluation report.

Lateral Resistance: The Dryvit Outsulation RMD System must not be used as wall bracing or as shearwalls.

Air/Water-Resistive Barrier

- Dryvit Backstop NT Texture or Smooth Water-Resistive Barrier Coating must be used as the air/water-resistive barrier.

Adhesive:

- Dryvit Primus®, Genesis® or Genesis® DM must be used as the adhesive for securing the insulation board to the substrate. Primus and Genesis are mixed in a one-to-one ratio by weight with Portland cement and water added to adjust workability. Genesis DM is mixed with water.

Insulation Boards:

- The EPS boards must be 2'-0" x 4'-0". The minimum thickness must be as specified in the assemblies listed in this evaluation report.
- EPS board joints must be staggered creating a running bond pattern offset a minimum of 6".
- Offset insulation board joints from sheathing board joints a minimum of 8". Insulation boards must be picture framed around all openings.

Base Coat:

- Dryvit Genesis or Genesis DM must be used as the base coat for mechanically attached systems. Primus may be used as the base coat for adhered systems. Primus and Genesis are mixed in a one-to-one ratio by weight with Portland cement and water added to adjust workability. Genesis DM is mixed with water.

Reinforcing Mesh:

- Available in various weights:
 - Standard Mesh – 4 oz/yd²
 - Standard Plus - 6 oz/yd²
 - Intermediate™ - 12 oz/yd²
 - Panzer® 15 - 15 oz/yd²
 - Panzer 20 - 20 oz/yd²
- Standard, Standard Plus and Intermediate must be overlapped at edges a minimum of 2-1/2".
- Panzer 15 and 20 must be butted together. After embedding Panzer 15 or Panzer 20 in base coat mixture a second layer of base coat must be applied and Standard, Standard Plus or Intermediate must be installed.
- All inside and outside corners must be double wrapped. Reinforcing mesh must not be lapped within 8" of a corner.

Finish: The Dryvit finish is available in various colors and textures.

Installation:

General Installation Requirements: IRC and IBC requirements must be satisfied and the manufacturer's installation instructions followed, unless otherwise specified by this product evaluation report.

Installation: Installation must be completed by a listed applicator and must be in accordance with the following assemblies (components listed in each assembly are from the inside out). The contractor or installer of the system must be able to provide a copy of a certificate to the inspector showing evidence of training for application of the system.

Assembly No. 1**EIFS – Wood Wall Framing****Design Pressure:** -60.0 psf**Wall Studs:** Minimum 2 x 4 Spruce-Pine-Fir wood studs spaced a maximum of 16" on center.**Sheathing:** Minimum 7/16" thick OSB secured to the wood wall framing members with minimum 6d common wire nails spaced 6" on center around the perimeter and 12" on center along the interior studs.**Air/Water Resistive Barrier:** Dryvit Backstop NT applied over sheathing resulting in an approximate dry mil thickness of 12 mils.**Adhesive:** Dryvit Primus, Genesis or Genesis DM mixture.**Insulation Board:** Minimum of 1" thick EPS adhesively applied to the prepared (coated with Backstop NT) sheathing with one of the adhesives listed above. The adhesive is applied in a vertical notch trowel configuration with the adhesive beads measuring 3/8" wide x 1/2" deep and spaced 1-1/2" on center.**Base Coat:** Dryvit Primus, Genesis or Genesis DM mixture.**Reinforcing Mesh:** Dryvit Standard reinforcing mesh, nominally minimum 4.3 oz/yd².**Finish:** Dryvit finish.**Assembly No. 2****EIFS – Concrete or CMU****Design Pressure:** -80 psf**Wall Construction:** Concrete or CMU minimum 8" x 8" x 16" hollow block complying with ASTM C90 minimum 2,500 psi.**Air/Water Resistive Barrier:** Dryvit Backstop NT applied over concrete or masonry resulting in an approximate dry mil thickness of 12 mils.**Adhesive:** Dryvit Primus, Genesis or Genesis DM mixture.**Insulation Board:** Minimum of 1" thick EPS adhesively applied to the prepared (coated with Backstop NT) block with one of the adhesives listed above. The adhesive is applied in a vertical notch trowel configuration with the adhesive beads measuring 3/8" wide x 1/2" deep and spaced 1-1/2" on center.**Base Coat:** Dryvit Primus, Genesis or Genesis DM mixture.**Reinforcing Mesh:** Dryvit Standard reinforcing mesh, nominally minimum 4.3 oz/yd².**Finish:** Dryvit finish.**Note:** Keep the manufacturer's installation instructions on the job site during the installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.