



LISTING INFORMATION OF
Dryvit - Category 2 OUTSULATION NC EIFS Wall Systems

SPEC ID: 29344

Dryvit Systems Canada
129 Ringwood Drive
Stouffville, ON L4A 8C1
Canada

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Dryvit – Category 2 OUTSULATION Wall Systems

- DRYVIT OUTSULATION® NC WALL SYSTEM
- DRYVIT OUTSULATION® PLUS NC WALL SYSTEM
- DRYVIT OUTSULATION® MD NC WALL SYSTEM
- DRYVIT OUTSULATION® PD NC WALL SYSTEM

Dryvit Category 2 OUTSULATION® Wall Systems are Exterior Insulation and Finish Systems (EIFS) consisting of an adhesive, expanded polystyrene insulation board, non-combustible base coat, reinforcing mesh and a finish coat. The systems can also be mechanically attached through the expanded polystyrene insulation board into approved substrates. Refer to Design Listings DSC-WDEIFS 15-01, DSC-WDEIFS 15-02, and DSC-WDEIFS 15-03 for detailed specifications on each system.

RATINGS

Standard	Rating	Design Number
CAN/ULC S101	15 minute Stay-in-Place	DSC-WDEIFS 15-01 DSC-WDEIFS 15-02 DSC-WDEIFS 15-03

Note: The Primus DM base coat within the Design Listings is considered non-combustible per testing conducted in accordance with CAN/ULC S114.

Attribute	Value
Criteria	CAN / ULC S101 (2007)
Criteria	CAN / ULC S114 (2005)
Criteria	CAN / ULC S101 (2014)
CSI Code	07 24 00 Exterior Insulation and Finish Systems (EIFS)
Intertek Services	Certification
Listed or Inspected	LISTED
Listing Section	EIFS CATEGORY 2
Report Number	7212; 3172311; 100182049; 100829985; 102420572
Spec ID	29344

DRAWING INDEX

DSC-WDEIFS 15-01

DSC-WDEIFS 15-02

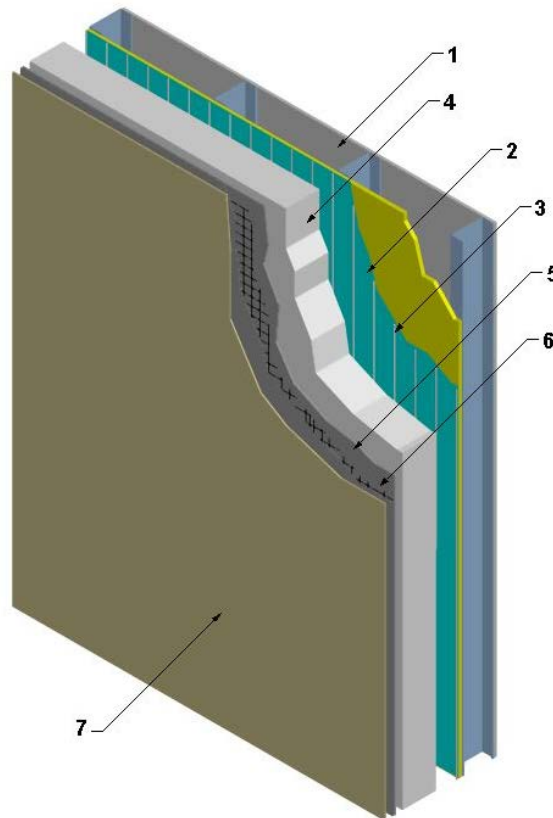
DSC-WDEIFS 15-03

DSC-WDEIFS 15-01

Division 7 – Thermal and Moisture Protection
 07 24 00 Exterior Insulation and Finish Systems
 07 24 19 Water-Drainage Exterior Insulation and Finish Systems

Page 1 of 2

Design Number: DSC/WDEIFS 15-01
 EXTERIOR WALL SYSTEMS
 Dryvit Systems Canada
 Dryvit OUTSULATION® NC, OUTSULATION® PLUS NC, AND FEDDERLITE™ 2000
 CAN/ULC S101 (2014)
 Rating: 15 Minute
 Meets the Requirements of Clause 3.2.3.8(1)(b) of the National Building Code of Canada, 2015 and 2010



1. WALL ASSEMBLY: Construct a wall assembly that complies with the local Building Code or other applicable regulatory requirements when those are greater.

System may be installed over ICF. Total combined thickness of the exterior side ICF and the Dryvit EIFS cannot exceed max. allowable thickness noted in Item 3. Additionally, concrete is to be formed flush

with ICF surface at floor-lines for the securement of Dryvit detail mesh to the substrate. If installed, the Water Resistive Barrier shall be Dryflex with mesh reinforcement.

2. WATER RESISTIVE BARRIER: Apply one of the following membrane systems to the exterior side of the wall assembly (Item 1):

Date Revised: September 29, 2017
 Project No. G103067321



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DSC-WDEIFS 15-01 (2 of 2)**Division 7 – Thermal and Moisture Protection
07 24 00 Exterior Insulation and Finish Systems
07 24 19 Water-Drainage Exterior Insulation and Finish Systems**

Page 2 of 2

- A. DryvitDryflex™ – Polymer based cementitious air/moisture barrier applied in accordance with manufacturer's instructions or,
- B. Dryvit Backstop NT™/NT VB – Polymer based non-cementitious air/moisture barrier applied in accordance with manufacturer's instructions.
3. **ADHESIVE:** Mix Primus DM Adhesive/Base Coat, a noncombustible material, with clean potable water in accordance with manufacturer's application instructions. Apply to the insulation using a 12.5mm x 12.5mm (1/2 in. x 1/2 in.) stainless steel notched trowel. Adhesive ribbons shall run vertically and measure approximately 9mm (3/8 in.) when formed and will be compressed when adhered to the substrate.
4. **INSULATION BOARD:** Secure insulation board with adhesive (Item 3) using one of the following options:
- A. 16 kg/m³ (1 pcf) expanded polystyrene (EPS) board, max. 150mm (6 in.) thick, bonded with adhesive.
- B. 16 kg/m³ (1 pcf) graphite-enhanced polystyrene (GPS) board, max. 150mm (6 in.) thick, bonded with adhesive and four supplemental mechanical fasteners with appropriate type and length of corrosion-resistant fasteners and PBH Washers by Demand Products, Wind-lock Wind-Devil 2 plastic washers, or approved equivalent washer, per 610 x 1220mm (24 in. x 48 in.). Fasteners must be within 200mm (8 in.) of the sides of the boards and within 100mm (4 in.) of the top and bottom. Exact location will depend upon the substrate (spacing of framing, or solid masonry).
- C. 28.8 kg/m³ (1.8 pcf) extruded polystyrene (XPS) board, max. 83mm (3.3 in.) thick, bonded with adhesive. The board face receiving adhesive must be sanded.
5. **BASE COAT:** Mix Primus DM Adhesive/Base Coat, a noncombustible protective material mixed with clean potable water according to DSC405, to the exterior side of the insulation board (Item 4) using a stainless steel trowel. In accordance with the manufacturer's application instructions the exterior face of the insulation board must be sanded. After the initial coat, apply reinforcing mesh (Item 6) and then additional coats so that the mesh (Item 6) is completely embedded and the final thickness of the base coat is min. 2mm (1/12 in.).
6. **REINFORCING MESH:** Apply Dryvit mesh, either "Standard®", "Standard® Plus", Intermediate Mesh 150 – 372 g/m² (0.49 – 1.22 oz/ft²) self-extinguishing, edges overlapped 75mm (3 in.) min. and embedded into the base coat (Item 5) with a stainless steel trowel. The fiberglass mesh is pre-wrapped, back-wrapped, or edge-wrapped with min. 63mm (2-1/2 in.) face coverage at terminations to encapsulate the insulation board. For additional impact resistance, a layer of Dryvit Panzer® Meshes 488 – 671 g/m² (1.6 – 2.2 oz/ft²) may be applied to the system prior to the application of standard meshes in accordance with the manufacturer's application instructions.
7. **FINISH COAT:** Apply Dryvit "DPR" finish, StoneMist, TerraNeo, Ameristone, LymeStone, Custom Brick, and smooth coatings over the base coat (Item 5) in accordance with the manufacturer's application instructions for the specific finish using stainless steel trowel.
8. **OPTIONAL MECHANICAL FASTENING FOR EPS AND XPS INSULATION (Not Shown):** Where supplemental mechanical fastening is to be used for restraining the insulation to substrate, mechanical fasteners with appropriate type and length of corrosion-resistant fasteners and PBH Washers by Demand Products, Wind-lock Wind-Devil 2 plastic washers, or approved equivalent washer, can be used for penetrating through the insulation into the component substrate. Details of this installation can be found in the manufacturer's application instructions.

Insulation boards must be manufactured under a quality assurance program and conform to CAN/ULC S701 Type 1 for EPS and GPS, and Type 4 for XPS, with a flame spread rating less than 500 per CAN/ULC S102.2. All outside edges are to be chamfered.

Date Revised: September 29, 2017
Project No. G103067321



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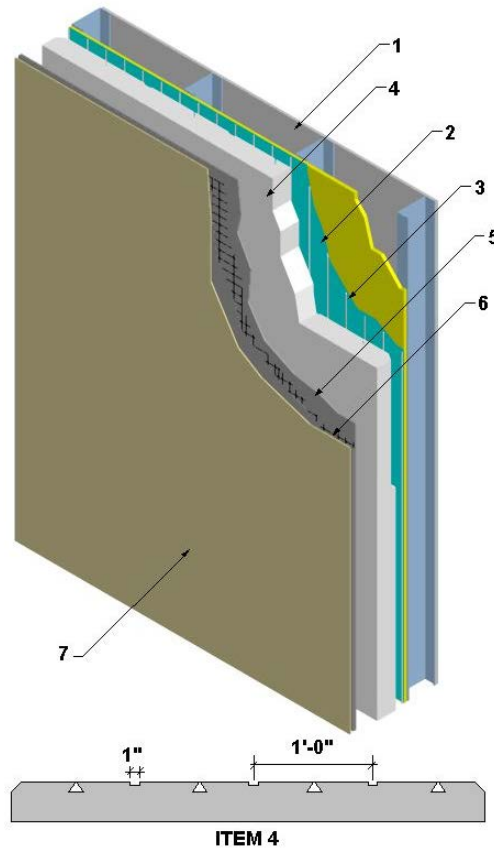
DSC-WDEIFS 15-02

Division 7 – Thermal and Moisture Protection
 07 24 00 Exterior Insulation and Finish Systems
 07 24 19 Water-Drainage Exterior Insulation and Finish Systems

Page 1 of 3

Design Number: DSC/WDEIFS 15-02
 EXTERIOR WALL SYSTEMS
 Dryvit Systems Canada
 Dryvit OUTSULATION® PD NC
 CAN/ULC S101 (2014)
 Rating: 15 Minute

Meets the Requirements of Clause 3.2.3.8(1)(b) of the National Building Code of Canada, 2015 and 2010



1. WALL ASSEMBLY: Construct a wall assembly that complies with the local Building Code or other applicable regulatory requirements when those are greater.

System may be installed over ICF. Total combined thickness of the exterior side ICF and the Dryvit EIFS cannot exceed max. allowable thickness noted in Item 3.

Additionally, concrete is to be formed flush with ICF surface at floor-lines for the securement of Dryvit detail mesh to the substrate. If installed, the Water Resistant Barrier shall be Dryflex with mesh reinforcement.

Date Revised: August 29, 2017
 Project No. G103067321



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DSC-WDEIFS 15-02 (2 of 3)

Division 7 – Thermal and Moisture Protection
07 24 00 Exterior Insulation and Finish Systems
07 24 19 Water-Drainage Exterior Insulation and Finish Systems

Page 2 of 3

- 2. WATER RESISTIVE BARRIER:** Apply one of the following membrane systems to the exterior side of the wall assembly (Item 1):
- A. Dryvit Dryflex™ – Polymer based cementitious air/moisture barrier applied in accordance with manufacturer's instructions or,
- B. Dryvit Backstop NT™/NT VB – Polymer based non-cementitious air/moisture barrier applied in accordance with manufacturer's instructions.
- 3. ADHESIVE:** Mix Primus DM Adhesive/Base Coat, a noncombustible material, with clean potable water in accordance with manufacturer's application instructions. Apply to the insulation using a 12.5mm x 12.5mm (1/2 in. x 1/2 in.) stainless steel notched trowel. Adhesive ribbons shall run vertically and measure approximately 9mm (3/8 in.) when formed and will be compressed when adhered to the substrate.
- 4. INSULATION BOARD:** Secure insulation board with adhesive (Item 3) using one of the following options:
- A. 16 kg/m³ (1 pcf) expanded polystyrene (EPS) board, min. 51mm (2 in.) thick and max. 150mm (6 in.) thick, bonded with adhesive.
- B. 16 kg/m³ (1 pcf) graphite-enhanced polystyrene (GPS) board, min. 51mm (2 in.) thick and max. 150mm (6 in.) thick, bonded with adhesive and four supplemental mechanical fasteners with appropriate type and length of corrosion-resistant fasteners and PBH Washers by Demand Products, Wind-lock Wind-Devil 2 plastic washers, or approved equivalent washer, per 610 x 1220mm (24 in. x 48 in.). Fasteners must be within 200mm (8 in.) of the sides of the boards and within 100mm (4 in.) of the top and bottom. Exact location will depend upon the substrate (spacing of framing, or solid masonry).
- C. 28.8 kg/m³ (1.8 pcf) extruded polystyrene (XPS) board, min. 51mm (2 in.) thick and max. 83mm (3.3 in.) thick, bonded with adhesive. The board face receiving adhesive must be sanded.
- Insulation boards must be manufactured under a quality assurance program and conform- to CAN/ULC S701 Type 1 for EPS and GPS, and Type 4 for XPS, with a flame spread rating less than 500 per CAN/ULC S102.2. 3.
- Insulation board has profile consisting of three 10mm (0.4 in.) deep x 25mm (1 in.) wide rectangular grooves running vertically on the interior side of the board spaced 305mm (12 in.) oc. Between rectangular grooves are four inverted triangular grooves spaced 305mm (12 in.) oc. The grooves measure 38mm (1-1/2 in.) at the base and narrow to 2mm (0.08 in.) at the peak. The base of the triangles aligns with the perimeter chamfer at a depth of 15mm (0.6 in.). Insulation boards have profile consisting of 6-10mm (.25-.40 in.) x 25mm (1 in.) grooves running vertically on the interior side of the board spaced 305mm (12 in.) oc. All outside edges are to be chamfered.
- 5. BASE COAT:** Mix Primus DM Adhesive/Base Coat, a noncombustible protective material mixed with clean potable water according to DSC405, to the exterior side of the insulation board (Item 4) using a stainless steel trowel. In accordance with the manufacturer's application instructions the exterior face of the insulation board must be sanded. After the initial coat, apply reinforcing mesh (Item 6) and then additional coats so that the mesh (Item 6) is completely embedded and the final thickness of the base coat is min. 2mm (1/12 in.).
- 6. REINFORCING MESH:** Apply Dryvit mesh, either "Standard®", "Standard® Plus", Intermediate Mesh 150 – 372 g/m² (0.49 – 1.22 oz/ft²) self-extinguishing, edges overlapped 75mm (3 in.) min. and embedded into the base coat (Item 5) with a stainless steel trowel. The fiberglass mesh is pre-wrapped, back-wrapped, or edge-wrapped with min. 63mm (2-1/2 in.) face

Date Revised: August 29, 2017
 Project No. G103067321



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DSC-WDEIFS 15-02 (3 of 3)

Division 7 – Thermal and Moisture Protection
07 24 00 Exterior Insulation and Finish Systems
07 24 19 Water-Drainage Exterior Insulation and Finish Systems

Page 3 of 3

coverage at terminations to encapsulate the insulation board. For additional impact resistance, a layer of Dryvit Panzer® Meshes 488 – 671 g/m² (1.6 – 2.2 oz/ft²) may be applied to the system prior to the application of standard meshes in accordance with the manufacturer's application instructions.

- 7. FINISH COAT:** Apply Dryvit "DPR" finish, StoneMist, TerraNeo, Ameristone, LymeStone, Custom Brick, and smooth coatings over the base coat (Item 5) in accordance with the manufacturer's application instructions for the specific finish using stainless steel trowel.

- 8. OPTIONAL MECHANICAL FASTENING FOR EPS AND XPS INSULATION (Not Shown):** Where supplemental mechanical fastening is to be used for restraining the insulation to substrate, mechanical fasteners with appropriate type and length of corrosion-resistant fasteners and PBH Washers by Demand Products, Wind-lock Washers by Demand Products, Wind-lock Wind-Devil 2 plastic washers, or approved equivalent washer, can be used for penetrating through the insulation into the component substrate. Details of this installation can be found in the manufacturer's application instructions.

Date Revised: August 29, 2017
Project No. G103067321



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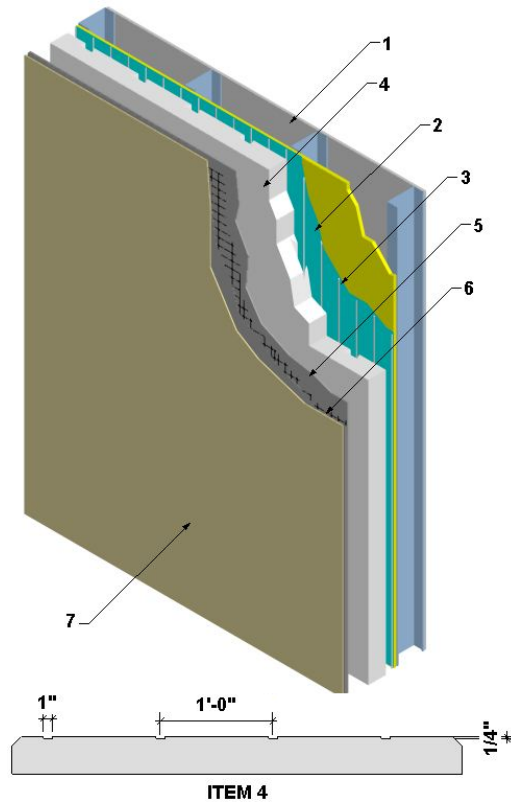
DSC-WDEIFS 15-03

Division 7 – Thermal and Moisture Protection
 07 24 00 Exterior Insulation and Finish Systems
 07 24 19 Water-Drainage Exterior Insulation and Finish Systems

Page 1 of 2

Design Number: DSC/WDEIFS 15-03
 EXTERIOR WALL SYSTEMS
 Dryvit Systems Canada
 Dryvit OUTSULATION® MD NC
 CAN/ULC S101 (2014)
 Rating: 15 Minute

Meets the Requirements of Clause 3.2.3.8(1)(b) of the National Building Code of Canada, 2015 and 2010



1. WALL ASSEMBLY: Construct a wall assembly that complies with the local Building Code or other applicable regulatory requirements when those are greater.

System may be installed over ICF. Total combined thickness of the exterior side ICF and the Dryvit EIFS cannot exceed max. allowable thickness noted in Item 3. Additionally, concrete is to be formed flush with ICF surface at floor-lines for the securement of Dryvit detail mesh to the

substrate. If installed, the Water Resistive Barrier shall be Dryflex with mesh reinforcement.

2. WATER RESISTIVE BARRIER: Apply one of the following membrane systems to the exterior side of the wall assembly (Item 1):

A. Dryvit Dryflex™ – Polymer based cementitious air/moisture barrier applied in accordance with manufacturer's instructions or,

Date Revised: August 29, 2017
 Project No. G103067321



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DSC-WDEIFS 15-03 (2 of 2)

Division 7 – Thermal and Moisture Protection
07 24 00 Exterior Insulation and Finish Systems
07 24 19 Water-Drainage Exterior Insulation and Finish Systems

Page 2 of 2

- B. Dryvit Backstop NT™/NT VB – Polymer based non-cementitious air/moisture barrier applied in accordance with manufacturer's instructions.
3. **ADHESIVE:** Mix Primus DM Adhesive/Base Coat, a noncombustible material, with clean potable water in accordance with manufacturer's application instructions. Apply to the insulation using a 12.5mm x 12.5mm (1/2 in. x 1/2 in.) stainless steel notched trowel. Adhesive ribbons shall run vertically and measure approximately 9mm (3/8 in.) when formed and will be compressed when adhered to the substrate.
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- C. 28.8 kg/m³ (1.8 pcf) extruded polystyrene (XPS) board, min. 51mm (2 in.) thick and max. 83mm (3.3 in.) thick, bonded with adhesive. The board face receiving adhesive must be sanded.
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- Insulation boards have a profile consisting of 6-10mm (.25-.40 in.) x 25mm (1 in.) grooves running vertically on the interior side of the board spaced 305mm (12 in.) oc. All outside edges are to be chamfered.
5. **BASE COAT:** Mix Primus DM Adhesive/Base Coat, a noncombustible protective material mixed with clean potable water according to DSC405, to the exterior side of the insulation board (Item 4) using a stainless steel trowel. In accordance with the manufacturer's application instructions the exterior face of the insulation board must be sanded. After the initial coat, apply reinforcing mesh (Item 6) and then additional coats so that the mesh (Item 6) is completely embedded and the final thickness of the base coat is min. 2mm (1/12 in.).
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7. **FINISH COAT:** Apply Dryvit "DPR" finish, StoneMist, TerraNeo, Ameristone, LymeStone, Custom Brick, and smooth coatings over the base coat (Item 5) in accordance with the manufacturer's application instructions for the specific finish using stainless steel trowel.
8. **OPTIONAL MECHANICAL FASTENING FOR EPS AND XPS INSULATION (Not Shown):** Where supplemental mechanical fastening is to be used for restraining the insulation to substrate, mechanical fasteners with appropriate type and length of corrosion-resistant fasteners and PBH Washers by Demand Products, Wind-lock Wind-Devil 2 plastic washers, or approved equivalent washer, can be used for penetrating through the insulation into the component substrate. Details of this installation can be found in the manufacturer's application instructions.

Date Revised: August 29, 2017
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