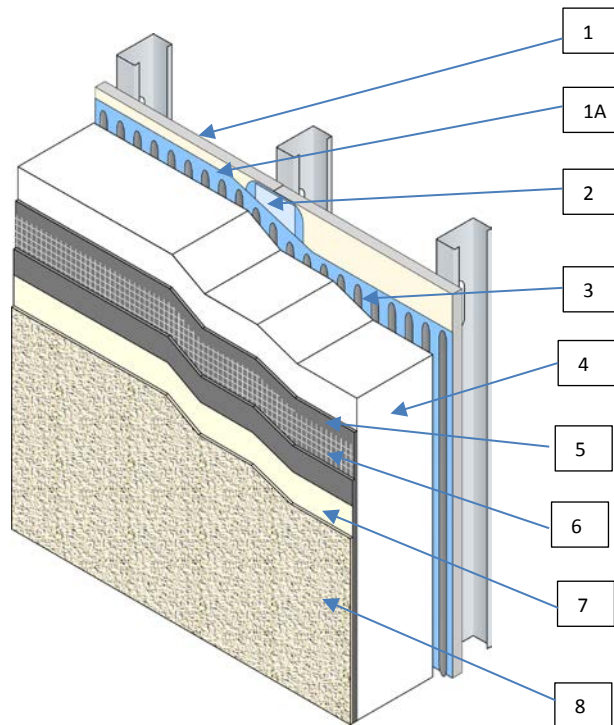


Parex USA Inc.
Design No. PRX/WDEIFS 25-01
Exterior Wall System
Standard Water Master CI
CAN/ULC S134 (2013)

Meets the Requirements of Article 3.1.5.5 of the National Building Code of Canada, 2015 and 2010



1. WALL ASSEMBLY: Construct a wall assembly that shall comply with the local Building Code or other applicable regulatory requirements when those are greater. Acceptable wall assembly exteriors are brick, masonry, concrete, concrete/cementitious boards, fiber cement sheet, and glass-mat gypsum sheathing as recognized in applicable standards and building codes.

1A. JOINT TREATMENT: Treat the wall assembly (Item 1) exterior joints with Parex Sheathing Tape nonwoven polyester fabric tape, applied along the sheathing joints.

2. CERTIFIED MANUFACTURER: Parex USA Inc.

CERTIFIED PRODUCT: Water Resistive Barrier

CERTIFIED MODEL: Parex WeatherSeal VP AB

Apply Parex WeatherSeal VP AB acrylic polymer weather resistive barrier (WRB) spray or roll-on, in accordance with manufacturer's instructions, to the exterior face of the wall assembly (Item 1). Apply the WRB in two coats over the entire surface for a total dry film thickness of 10 mils.



3. CERTIFIED MANUFACTURER: Parex USA Inc.

CERTIFIED PRODUCT: Adhesive

CERTIFIED MODEL: Parex 121 Dry Base Coat

Mix Parex 121 Dry Base Coat polymer modified cementitious coating on-site with water, in accordance with manufacturer's instructions. Apply adhesive to the insulation boards using a 13mm × 13mm × 64mm (1/2 in. × 1/2 in. × 2-1/2 in.) on center (oc) U-notched trowel. Apply the adhesive ribbons in the vertical orientation. Adhesive ribbons will measure approximately 13mm (1/2 in.) wide and 6mm (1/4 in.) deep when formed, and will be compressed when adhered to the substrate.

4. INSULATION BOARD: Using one of the options below, secure insulation board with Intertek certified adhesive (Item 3).

- A. 38mm (1-1/2 in.) to 202mm (8 in.) CAN/ULC S701 Type 1 expanded polystyrene (EPS) with nominal density of 16 kg/m³ (1 pcf). The insulation may be flat board or geometrically defined drainage cavity board.
- B. 38mm (1-1/2 in.) to 202mm (8 in.) CAN/ULC S701 Type 1 graphite-enhanced polystyrene (GPS) board. The insulation may be flat board or geometrically defined drainage cavity board. For each 610mm × 1220mm (2 ft. × 4 ft.) sheet of insulation, install min. four mechanical fasteners with Wind-lock Wind Devil 2 plates, or equal, per sheet, into the steel stud framing or concrete or masonry substrate. The fasteners must be installed immediately following board placement, while adhesive has not set. For 16 in. oc framing and concrete substrates, the fasteners must be

within 200mm (8 in.) of the sides of the boards and within 100mm (4 in.) of the top and bottom. For 24 in. oc framing the fasteners must be at the sides of the boards and within 100mm (4 in.) of the top and bottom. The mechanical attachment is in addition to the adhesive (Item 3).

- C. CAN/ULC S701 Type 2, 3, or 4 extruded polystyrene (XPS). The allowable thickness of the XPS is determined by calculating the ratio of insulation density to the thickness permitted in (Item 4A) above (e.g., 32 kg/m³ XPS may be one half the thickness of 16 kg/m³ EPS). XPS shall be planed or sanded on each face. The insulation may be flat board or geometrically defined drainage cavity board.

Insulation boards must be manufactured under a quality assurance program and conform to CAN/ULC S701 Type 1 for EPS and GPS, and Type 2, 3, or 4 for XPS, with a flame spread rating less than 500 per CAN/ULC S102.2.

5. CERTIFIED MANUFACTURER: Parex USA Inc.

CERTIFIED PRODUCT: Base Coat

CERTIFIED MODEL: Parex 121 Dry Base Coat

Mix Parex 121 Dry Base Coat polymer modified cementitious coating on-site with water, in accordance with manufacturer's instructions.

Apply base coat to the exposed surfaces of the insulation board (Item 4), which have been rasped to achieve a flat surface, in accordance with the manufacturer's application instructions. Apply a first layer of base coat over the insulation board and immediately embed the reinforcing mesh (Item 6) into the wet base coat. Apply an additional layer of



base coat so that the mesh is fully embedded in the base coat with a final thickness 1.9mm (0.075 in.).

6. CERTIFIED MANUFACTURER: Parex USA Inc.

CERTIFIED PRODUCT: Reinforcing Mesh

CERTIFIED MODEL: Parex Fiberglass Reinforcing Mesh

Embed the Parex fiberglass reinforcing mesh, with a stainless steel trowel, in the wet Intertek certified base coat (Item 5) so that the mesh edges on the face of the insulation overlap 75mm (3 in.) Edge-wrap the mesh and embed it in base coat at all insulation terminations 100mm (4 in.) onto the substrate, in accordance with manufacturer's instructions. Back-wrap the mesh and embed it in base coat 100mm (4 in.) onto the substrate at all insulation terminations within the field of the wall, in accordance with manufacturer's instructions. Pre-wrap insulation boards with base coat and mesh where water drainage is anticipated. The following mesh options may be used in accordance with manufacturer's instructions:

1. 145 g/m² 355 Standard Mesh; 356 Short Detail Mesh
2. 170 g/m² 352 Self Adhesive Mesh
3. 200 g/m² 358.6 Standard+ Mesh
4. 376 g/m² 358.10 Intermediate Impact Mesh
5. 522 g/m² 358.14 High Impact Mesh 358.14
6. 680 g/m² 358.20 Ultra High Impact Mesh
7. 307 g/m² 357 Corner Mesh

7. CERTIFIED MANUFACTURER: Parex USA Inc.

CERTIFIED PRODUCT: Primer (Optional)

CERTIFIED MODEL: Parex USA Primer

Apply Parex USA Primer acrylic polymer modified primer over the Intertek certified base coat (Item 5) to enhance the appearance of the finish coat.

8. CERTIFIED MANUFACTURER: Parex USA Inc.

CERTIFIED PRODUCT: Finish Coat

CERTIFIED MODEL: Parex DPR Acrylic Finish

Apply Parex DPR Acrylic Finish, acrylic polymer-based, integrally colored factory mixed finish coating over the Intertek certified base coat (Item 5) or primer (Item 7) coated base coat, in accordance with the sealant manufacturer's instructions.

- 9. JOINT TREATMENT:** (Not Shown) Vertical and horizontal expansion joints, in nominal widths 20mm (3/4 in.) to 25mm (1 in.), are fitted with closed cell polyethylene backer rod set approximately 6mm (1/4 in.) below the top surface of the panel. The joint is then filled with polyurethane or silicone sealant, per the sealant manufacturer's instructions.

1-1/2 in. expansion joints are fitted with a closed cell polyethylene foam backer-rod set approximately 15mm (9/16 in.) below the top surface of the panel. The joint is then filled with polyurethane or silicone sealant, per the sealant manufacturer's instructions.

Air seal and waterproofing membrane treatments are installed inbound of the water shedding outer seal.