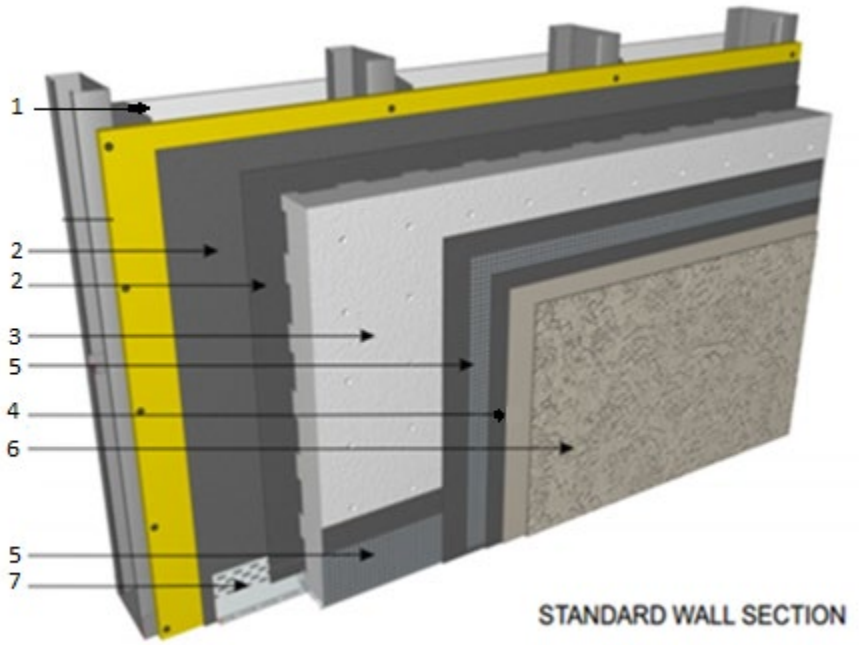
DuROCK Alfacing International
Design No. DAI/WDEIFS 30-01
EIFS System
DuROCK PUCCS & InsulROCK
CAN/ULC S134
Rating: Meets Conditions of Acceptance



CERTIFIED MANUFACTURER: DuROCK Alfacing International

CERTIFIED PRODUCT: EIFS System

CERTIFIED MODEL: DuROCK PUCCS and InsulROCK EIFS Systems

1. **WALL ASSEMBLY:** Construct a wall assembly that complies with local building codes and regulatory requirements.

2. **WATER RESISTIVE BARRIER:** Apply one of the following water resistive barrier systems in accordance with the manufacturer's installation specifications:

   A. CEMENT BEAR – Trowel applied acrylic emulsion that is field-mixed with Portland cement. Also serves as an adhesive.

   B. POLAR BEAR – Trowel applied acrylic emulsion. Also serves as an adhesive.

   C. VAPOUR BLOCK – Trowel applied co-polymer styrene-butadiene emulsion.

   As an alternate to the emulsion applied barrier, a modified bituminous self-adhering membrane is permitted for use in accordance with the manufacturer's installation specification. Refer to Item 8.

D. ROLLER BEAR – Rolled or sprayed, non-cementitious, polymeric coating, at a min. dry thickness of 0.28 mm. Roller Bear is only a moisture barrier.

3. INSULATION BOARD: PUCCS expanded polystyrene (EPS) insulation board is attached using the Cement Bear or Polar Bear options in Item 2 and all options in Item 4. PUCCS insulation boards are grooved on the backside to create geometrically-defined drainage cavities that are 10 mm deep and have 37% open area. The InsulROCK uses flat insulation boards and achieves drainage through vertical adhesive ribbons. The boards are butted tightly, and vertical joints are staggered a min. of 75 mm between successive rows. Insulation board joints are offset not less than 150 mm from sheathing board joints. If a gap between insulation boards exceeds 1.6 mm it must be filled with EPS insulation. Use one of the following insulation boards:

A. Max. 127 mm (5 in.) thick expanded polystyrene (EPS) insulation board is manufactured under a quality assurance program and conforming to CAN/ULC S701, Type 1, with nominal density of 16kg/m^3 (1 pcf) and complying with CAN/ULC S102.2 for a flame spread of less than 500 on the max. thickness used in the assembly.

B. Max. 85 mm (3-3/8 in.) thick expanded polystyrene (EPS) insulation board is manufactured under a quality assurance program and conforming to CAN/ULC S701, Type 2, with nominal density of 24kg/m^3 (1.5 pcf) and complying with CAN/ULC S102.2 for a flame spread of less than 500 on the max. thickness used in the assembly.

C. Max. 127 mm (5 in.) thick graphite polystyrene (GPS) insulation board is manufactured under a quality assurance program and conforming to CAN/ULC S701, Type 1, with nominal density of 16kg/m^3 (1 pcf) and complying with CAN/ULC S102.2 for a flame spread of less than 500 on the max. thickness used in the assembly. Secure the boards while the adhesive is curing with a mechanical fastener at each corner (four fasteners) per 610 mm x 1220 mm (24 in. x 48 in.).

D. Max. 85 mm (3-3/8 in.) thick graphite polystyrene (GPS) insulation board is manufactured under a quality assurance program and conforming to CAN/ULC S701, Type 2, with nominal density of 24kg/m^3 (1.5 pcf) and complying with CAN/ULC S102.2 for a flame spread of less than 500 on the max. thickness used in the assembly. Secure the boards while the adhesive is curing with a mechanical fastener at each corner (four fasteners) per 610 mm x 1220 mm (24 in. x 48 in.).

4. BASE COAT/ADHESIVE: The base coat options below are applied continuously over the insulation, including areas that have been treated by impact mesh (Item 5). After the initial coat, apply reinforcing mesh and then additional coats until the mesh is fully embedded. A min. base coat thickness of 2 mm is required. The base coat must be allowed to dry before the application of the primer or finish coat. The adhesive ribbons, used for drainage of InsulROCK, are applied as per DuROCK's manufacturer's specification.

A. DUROCK PREP COAT – Trowel applied acrylic emulsion that is field-mixed with Portland cement.

B. DUROCK PREP COAT A – Trowel applied dry mix material that is field-mixed with DuROCK Prep Coat.

C. DUROCK PREP COAT D – Trowel applied polymer based dry mix material that is field-mixed with water used for both.

5. **REINFORCING MESH:** DuROCK Reinforcing Mesh with a weight of 150 g/m^2 or greater and with edges overlapped 100 mm min. (125 mm for EPS thicknesses of 101.6 mm to 127 mm) is embedded in the base coat. The reinforcing mesh is back-wrapped or pre-wrapped at terminations to encapsulate the insulation board. A self-adhering reinforcing mesh can be used for pre-wrapping the insulation. An additional layer of mesh is installed at a 45° angle to corners of through-wall penetrations. For additional impact resistance, a layer of impact mesh with nominal weight of 522 g/m^2 or 680 g/m^2 shall be embedded in the base coat and allowed to dry prior to application of the reinforcing mesh. The impact mesh joints shall be butted together and not overlapped.

6. **FINISH COAT:** DuROCK Finishes including the application of primer where specified shall be applied to the reinforced base coat and allowed to dry for a min. of 4 hr. The finish coat shall be applied and trowel-applied finishes shall be floated in accordance with the manufacturer's installation specification.

7. **OPTIONAL DRAINAGE TRACK:** DuROCK Uni-Track and DuROCK Uni-Flash.

8. **OPTIONAL MECHANICAL FASTENING:** (Not Shown) Mechanical fastening of the insulation board to the substrate is permitted in accordance with the manufacturer's installation specification. Mechanical fastening must be used to secure the insulation where a modified bituminous self-adhering membrane is used.

9. **OPTIONAL INSTALLATION OVER ICF:** Installation of DuROCK PUCCS & InsulROCK EIFS over an ICF system is permitted subject to a max. combined EPS insulation thickness of 127 mm.

10. **OPTIONAL SUBSTRATES:** Brick, masonry, monolithic concrete, concrete/cementitious boards, fiber cement sheet, glass-mat gypsum sheathing, plywood and OSB, as recognized in applicable Canadian Standards and Building Codes.

Consult the listing report on the Directory of Building Products (https://bpdirectory.intertek.com) for the edition of the standard(s) evaluated.

Compliance of the assembly described in this Design Listing with the referenced standard relies on verification that the assembly constructed in the field is consistent with that described herein. Intertek certified products may be verified by the approved Intertek label; other products must be verified by the Authority Having Jurisdiction as meeting the specifications stated herein.