Pressure-Utilized Compartmented Cavity System

CCMC No. 12969-R

PUCCS is continuous insulation cladding that includes a Geometrically Defined Drainage Cavity (GDDC) that is 10 mm deep and 37% open. PUCCS has been evaluated by CMC for compliance with the National Building Code of Canada, PUCCS complies with the CAN/ULC-S716.1 EIFS Materials and Systems test standard, and PUCCS satisfies the fire protection test requirements in National Building Code of Canada Article 3.1.5.5 when tested in accordance with CAN/ULC-S134 and in Article 3.2.3.8 when tested in accordance with CAN/ULC-S101

(* by others)
* Sheathing

DuROCK Moisture Barrier

DuROCK Moisture Barrier/Adhesive

DuROCK PUCCS, EPS Insulation Board

DuROCK Reinforcing Mesh
embedded in DuROCK Prep Coat

DuROCK Finish Coat

Wrap insulation edge with
reinforcing mesh, terminate
base coat at drainage track

* Optional Backer Rod and Sealant
(vented)

DuROCK Uni-Flash
self-flashing drainage track

DuROCK Polar Bear
applied continuously inside the opening
extending a minimum of 50mm (2")
on to the sheathing

* Window

(* by others)
DuROCK Moisture Barrier
DuROCK Moisture Barrier/Adhesive
DuROCK PUCCS, EPS Insulation Board
DuROCK Reinforcing Mesh embedded in DuROCK Prep Coat
DuROCK Finish Coat

* Self-Adhering Transition Membrane lapped onto metal flashing

Wrap insulation edge with reinforcing mesh, terminate base coat at GDDC

* Backer Rod and Sealant (vented)

* Metal Flashing

* Sealant under flashing (optional)

DuROCK Polar Bear applied continuously inside the opening extending a minimum of 50mm (2") onto the sheathing

* Window

(* by others)
* Window

DuROCK Polar Bear applied continuously inside the opening extending a minimum of 50mm (2") onto the sheathing

* Backer Rod and Sealant (vented)

* Metal Flashing

* Sealant under flashing (optional)

Wrap insulation edge with

mesh-reinforced base coat

DuROCK Finish Coat

DuROCK Reinforcing Mesh embedded in DuROCK Prep Coat

DuROCK PUCCS, EPS Insulation Board

DuROCK Moisture Barrier/Adhesive

DuROCK Moisture Barrier

* Sheathing

(* by others)
* Sheathing

DuROCK Moisture Barrier

DuROCK Moisture Barrier/Adhesive

DuROCK PUCCS, EPS Insulation Board

DuROCK Fibre Mesh
embedded in Moisture Bear

DuROCK Reinforcing Mesh
embedded in DuROCK Prep Coat

DuROCK Finish Coat

* Concrete Floor Slab

Wrap insulation edge with
reinforcing mesh, terminate
base coat at GDDC

* Backer Rod and Sealant (vented)

Wrap insulation edge with
reinforcing mesh, terminate
base coat at GDDC

* Self-Adhering Transition Membrane

(*) by others

This detail complements the corresponding system specification and illustrates the system configuration for the depicted construction. Visit www.durock.com for the latest revisions and contact DuROCK for project-specific details to suit conditions other than those depicted. DuROCK assumes no liability for the architecture, design, engineering, or workmanship of any project.
* Sheathing
DuROCK Moisture Barrier
DuROCK Moisture Barrier/Adhesive
DuROCK PUCCS, EPS Insulation Board
DuROCK Reinforcing Mesh embedded in DuROCK Prep Coat
DuROCK Finish Coat
Wrap insulation edge with reinforcing mesh, terminate base coat at drainage track
DuROCK Uni-Track drainage track with lip
Minimum 50mm
* Roof membrane
* Roofing system

(* by others)
* Sheathing

DuROCK Moisture Barrier

DuROCK Moisture Barrier/Adhesive

DuROCK PUCCS, EPS Insulation Board

DuROCK Reinforcing Mesh embedded in DuROCK Prep Coat

DuROCK Fibre Mesh embedded in Moisture Bear

DuROCK Finish Coat

Wrap insulation edge with reinforcing mesh, terminate base coat at drainage track

DuROCK Uni-Track, drainage track with lip

Minimum 50mm (2") clearance required above floor level

* Balcony floor

* Backer Rod at joint

* Backer Rod and Sealant

Wrap insulation edge with mesh-reinforced base coat

* Self-Adhering Transition Membrane at joint

(* by others)
* Sheathing

DuROCK Moisture Barrier

DuROCK Moisture Barrier/Adhesive

DuROCK PUCCS, EPS Insulation Board

DuROCK Reinforcing Mesh embedded in DuROCK Prep Coat

DuROCK Finish Coat

Wrap insulation edge with reinforcing mesh, terminate base coat at drainage track

DuROCK Uni-Track drainage track without lip

DuROCK DEFS at Soffit

(* by others)
* Self-Adhering Transition Membrane

* Metal Cap Flashing

Wrap insulation edge with mesh-reinforced base coat

* Sealant under flashing drip edge (optional)

DuROCK Finish Coat

DuROCK Reinforcing Mesh embedded in DuROCK Prep Coat

DuROCK PUCCS, EPS Insulation Board

DuROCK Moisture Barrier/Adhesive

DuROCK Moisture Barrier

* Sheathing

(* by others)
* Perimeter Sealant (except at bottom)

Wrap insulation edge with reinforcing mesh, terminate base coat at GDDC

* Backer Rod and Sealant around insulation opening

Fiber Mesh embedded in Polar Bear around exhaust box and onto sheathing

* Sheet Metal exhaust box with sealed joints

* Exhaust grill

Fiber Mesh embedded in Polar Bear around exhaust box and onto sheathing

* Drainage holes and/or leave lower edge of grill unsealed

DuROCK PUCCS, EPS Insulation Board

* Sheathing

(* by others)
* Minimum 3/4" plywood

* Gypsum Sheathing

DuROCK PUCCS EIFS

Minimum 10mm

* Neutral Cure Sealant

* Stainless Steel Lag Screw fastened to solid backing

* Stainless Steel spacer sleeve to hold signage 10mm away from EIFS finish

* Signage panel

(* by others)
AESTHETIC REVEAL (TYPE A)

- DuROCK PUCCS, EPS Insulation Board
- Minimum 20mm (7/8") between reveal and GDDC
- Aesthetic Reveal (Type A)
- Minimum slope 1:2 (horizontal reveals only)
- DuROCK Reinforcing Mesh embedded in DuROCK Prep Coat
- PUCSCS EIF System
- DuROCK Finish Coat
- Sheathing

AESTHETIC REVEAL (TYPE B)

- DuROCK PUCCS, EPS Insulation Board
- Minimum 20mm (7/8") between reveal and GDDC
- Aesthetic Reveal (Type B)
- Minimum slope 1:2 (horizontal reveals only)
- DuROCK Reinforcing Mesh embedded in DuROCK Prep Coat
- DuROCK Finish Coat
- Sheathing

(* by others)