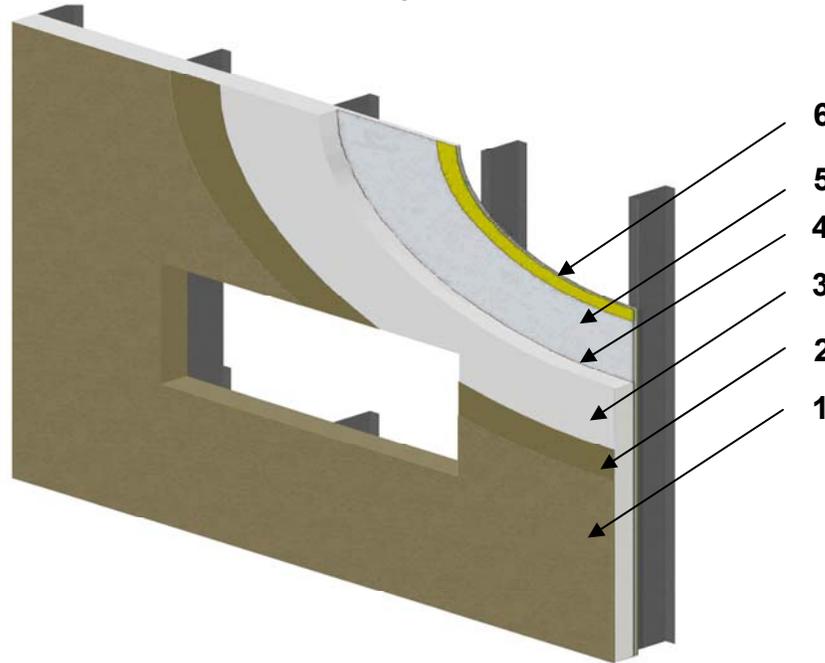


**QAI Design B1039-1a – DuROCK Alfacing International Ltd. - NBC 3.1.5.5 (CAN/ULC S134)**  
**Maximum Heat Flux ≤ 35 kW/m<sup>2</sup> @ 3.5 m**  
**Maximum Flame Spread < 5 m**



No.	COMPONENT	DESCRIPTION			
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:33%;">EIFS System</th> <th style="width:33%;">InsulROCK</th> <th style="width:33%;">PUCCS</th> </tr> </table>			EIFS System	InsulROCK	PUCCS
EIFS System	InsulROCK	PUCCS			
1	Finish Coat	Certified Manufacturer: DuROCK Alfacing International Ltd.			
		Certified Product: DuROCK Finish			
		Primer: With or without a water-based acrylic primer			
2	Mesh	Density: Minimum 150 g/m <sup>2</sup> (4.4 oz/yd <sup>2</sup> .)			
		Type: Alkali-resistant glass-fiber mesh embedded in base coat.			
	Base Coat	Installation: Back wrapping the mesh and base coat are required on all joints, openings, or perimeter terminations. Minimum 100 mm (4") overlap on all mesh edges.			
3	Insulation	Certified Manufacturer: DuROCK Alfacing International Ltd.			
		Certified Products: Prep-Coat, Prep-Coat P & Prep-Coat D base coats, meets the requirements of CAN/ULC S114 Non-combustible			
		Coating Thickness: Minimum average thickness of 2.0 mm (80 mils)			
		Product: Approved and Labeled - Type 1 or Type 2 EPS flat insulation boards at thicknesses outlined below.			
4	Adhesive/ Fastener Detail	Density: <b>Type 1:</b> Nominal density: 16 kg/m <sup>3</sup> (1.0 lbs/ft <sup>3</sup> ) Maximum density: 19 kg/m <sup>3</sup> (1.15 lbs/ft <sup>3</sup> ) <b>Type 2:</b> Nominal density: 23 kg/m <sup>3</sup> (1.4 lbs/ft <sup>3</sup> ) Maximum density: 27 kg/m <sup>3</sup> (1.60 lbs/ft <sup>3</sup> )			
		Flame Spread Index: Maximum flame spread index of 290 when tested in accordance with CAN/ULC S102.2			
		Board Size: 610 mm x 1219 mm (24" x 48")			
		Thickness: <b>Type 1:</b> Maximum 127 mm (5 inches) <b>Type 2:</b> Maximum 91 mm (3 1/2 inches)			
		Adhered: Adhesives: Polar Bear, Cement Bear, Prep-Coat or Prep-Coat D			
5	Weather Resistive Barrier	Application: The adhesive is applied with a 9.5mm (3/8") notched trowel in vertical ribbons, held at a 30° angle			
		Mechanically fastened: Insulation boards fastened with corrosion resistant fasteners with low-profile HDPP washers spaced 400 mm (16") o.c. horizontally and 300 mm (12") o.c. vertically, drilled and screwed with sufficient penetration to provide appropriate anchorage (see item 5).			
5	Weather Resistive Barrier	Coating Product: FRI Bear, Polar Bear, Cement Bear, Vapour Block or Roller Bear			
		Membrane Product: Not Used			
		Installation: Coatings applied to substrate with a flat trowel: FRI Bear: Minimum thickness of 0.28 mm (10 mils) per coat Polar Bear: Minimum wet thickness of 1.5 mm (60 mils) per coat. Cement Bear: Minimum wet thickness of 1.25 mm (50 mils) per coat. Vapour Block: Minimum wet thickness of 0.80 mm (32 mils) per coat. Coatings applied to substrate with a roller: Roller Bear: Minimum thickness of 0.28 mm (10 mils) per coat			
		Flashing: DuROCK Uni-Track or Uni-Flash (PolyVinyl Chloride (PVC) extrusions) may be either embedded into the wet DuROCK Air/Moisture Barrier appropriate for the substrate or it may be mechanically fastened to the substrate with corrosion-resistant screws.			
6	Substrate	Type: Brick, Masonry, Monolithic Concrete Walls, or Approved and Labeled - Glass Mat Gypsum Substrate meeting the requirements of ASTM C1177, Approved and Labeled Insulating Concrete Forms (ICF) (where ICF is substrate, total EPS thickness is not to exceed noted amounts outlined in Section 3). Minimum 50 mm (1/2 inch) plywood.			