

### Product Description:

**DUREX INSULITE EXT Select** is an exterior insulation and finish system consisting of extruded polystyrene insulation, channeled insulation adhesive, glass fibre reinforcing mesh, scratch and base coats, continuous venting and a finish texture coat which can be selected from any one of the available **Durex Architectural Coatings**.

The **DUREX INSULITE EXT Select** system is ULC rated as non-combustible cladding meeting building code requirements for non-combustible construction.

### Uses:

**DUREX INSULITE EXT Select** is suitable for use in all types of structures over structurally sound substrates. It is also an excellent system for retrofit work.

### Advantages:

- ULC rated cladding system
- no mechanical fasteners required
- light-weight
- versatile

- flexible
- available as a moisture managed EIFS cladding
- impact resistant
- moisture managed-positive drainage
- higher thermal resistance

### Limitations:

**DUREX INSULITE EXT Select** is not recommended for use over moisture sensitive substrates such as gypsum board, nor in areas where temperatures are expected to exceed 80°C.

### APPLICATION:

Prepare and mix primer, scratch and base, and finish coats in strict accordance with **Durabond's** printed instructions.

Apply all system materials in strict accordance with **Durabond's** printed instructions. Make all provisions for all expansion/control joints required in the system.

Install the selected insulation over the substrate with a full bed of compatible insulation adhesive. When installing **DUREX INSULITE EXT Select** as a

TECHNICAL DATA			
SYSTEM COMPONENTS	STANDARD/METHOD	RESULTS	
<b>INSULATION:</b>			
• EPS**type I & II, XPS**type IV	CAN/ULC S701-97		
<b>AIR BARRIER:</b>			
• Durex Flexcrete	ASTM E283-91 - air leakage	1.5 mm thick 0.0204 L/s·m <sup>2</sup> @ 75 Pa 3.0 mm thick 0.0019 L/s·m <sup>2</sup> @ 75 Pa Rated class 3 air barrier	
<b>INSULATION ADHESIVE:</b>			
• Durex Flexcrete	ASTM D-897 - bond strength	Concrete - 185 psi Cement board - 125 psi	
<b>LAMINA:</b>		<b>Std.</b>	<b>Med.</b> <b>High</b>
• Reinforcement woven fiberglass mesh	ASTM D-579 - construction	23.6	33 /10 cm
	ASTM D-579 - weight	152	370 509 g/m <sup>2</sup>
	ASTM D-579 - thickness	0.406	0.787 1.13 mm
	ASTM D-1682 - tensile strength	825	1610 3115 N/2.54 cm
	ASTM D-568 - flame retardant	yes	yes yes
	EIMA 101.91 - alkali resistance	yes	yes yes
• Durex Uniplast/Acrybond "S" Lamina	EIMA 101.86 - impact resistance	Std. mesh (one layer): 145 in. lbs. High impact mesh: 160 in. lbs. Two layers mesh: 272 in. lbs.	
	CAN/ULC S114-89 - non-combustibility	Rated non-combustible ULC Guide No. 40 U18.14.14	
	ASTM E96-95 Water vapour transmission	221.8 ng/Pa·s·m <sup>2</sup>	
	48 hrs. immersion - water absorption	5.8%	

**07240**

**INSULATED WALL SYSTEM (EIFS)  
EXTERIOR INSULATION FINISH SYSTEM (EIFS)**

## TECHNICAL DATA (cont'd.)

### FINISHES:

- Durex Architectural Coatings (see also Group F)

CGSB 1GP-162M

ASTM D822-91 - accelerated weathering

Meets all requirements

Specimen did not blister, check, crack, chalk or change colour

CAN/ULC S102-M83 - flame spread  
- smoke developed  
- fuel contributed

8  
Less than 5  
Less than 5

### TEST

#### Fire Protection:

#### STANDARD/METHOD

CAN/ULC S101-89

#### RESULTS

Rated as non-combustible cladding ULC design #EW17

#### Air Leakage:

ASTM E283-91 - infiltration

0.095 L/s·m2 before windload testing  
0.0249 L/s·m2 after windload testing

#### Wind Load Resistance:

ASTM E330-90 - sustained

-2.5 kPa for 60 min. – no visible damage to any of the wall components

ASTM E330-90 - cyclic

600 cycles alt. 0 to -2.5 kPa – no visible damage to any of the wall components

ASTM E330-90 - blow-out

-3.75 kPa applied for 10 sec. – no visible damage to any of the wall components – maximum pressure 7.12 kPa

#### Water tightness:

ASTM E331-86

400 Pa pressure difference for 15 min. – no water penetration through the exterior surface finish

### Building Code Conformance:

**Classification:** Meets NBC (National Building Code) and OBC (Ontario Building Code) non-combustible Cladding requirements for use in buildings required to be of non-combustible construction of any building height, as per section 3.2.3.7.1(b) ULC design #EW17.

**Option Air or Air/Vapour Barrier:** Durex Insulite EXT Select when installed incorporating Durex Flexcrete as an air barrier within the assembly meets class 3 air barrier requirements. Check with Durabond for recommendations on appropriate requirements and application of air barrier for your project.

moisture managed system, apply the insulation adhesive with a notched trowel to form vertical ribbons on the back of each insulation board. Spacing of adhesive ribbons should not be more than 50 mm (2") apart.

Install vent boards or vent strips as required

Apply a layer of scratch coat with an embedded layer of reinforcing mesh over the insulation. Over the cured scratch coat apply a layer of base coat.

Prime base coat, then apply finish texture coat.

Caulk all expansion/control joints in the **DUREX INSULITE EXT Select** system.

Refer to the Durex Architectural Manual for further information.

### CLEAN UP:

Clean all tools promptly after use with clean water. Do not allow mixes to dry on tools.

### STORAGE:

Store all **DUREX INSULITE EXT Select** components in a dry vented, waterproof location, stacked off the ground with ambient temperatures

above 5°C (41°F). Keep materials dry, protected from dampness and moisture and away from direct sunlight. KEEP FROM FREEZING.

### WARRANTY:

**Durabond Products Limited** fully warrants their products when used and applied in strict accordance with the printed instructions on product mixing and product application. In any case **Durabond's** responsibility shall not exceed either the refund of the purchase price, or the replacement of the purchased product.

### TECHNICAL SERVICES:

Technical assistance for unique applications and design is available upon request from **Durabond Products Limited**.

# DURABOND

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