

Durex Flexlite Select ICF

Flexible Moisture Managed EIFS (ICF Cladding System)

- Description** Durex® Flexlite Select ICF is an exterior insulation and finish system consisting of a moisture barrier, a 10mm geometrically defined drainage cavity, expanded polystyrene insulation, insulation adhesive, glass fibre-reinforcing mesh, base coats, and a finish texture coat which can be selected from any one of the available Durex® Architectural Coatings.
- Uses** Durex® Flexlite Select ICF is primarily suitable for cladding system with GDDC Drainage over ICF substrate.
- Features**
- CAN/ULC S716 compliant
 - CCMC evaluated (13103-R)
 - Easy installation
 - Positive drainage
 - Lightweight
 - Versatile
 - Flexible
 - **GDDC Factor 15% (Geometrically Defined Drainage Cavity)**
 - **CI factor 0.65 RSI (R 3.9) per inch Type I EPS (Continuous Insulation)**
 - **CI factor 0.70 RSI (R 4.0) per inch Type II EPS (Continuous Insulation)**

TECHNICAL DATA

SYSTEM COMPONENT	STANDARD/METHOD	RESULTS			
INSULATION:		Thermal Resistance		GDDC Factor	
Durex Flexlite Select Type I	CAN/ULC S701	0.65 RSI (R 3.9) per inch		15%	
Durex Flexlite Select Type II		0.70 RSI (R 4.0) per inch		15%	
WATER RESISTIVE BARRIER:					
Air / Vapour Barriers		ASTM E96 – Water Vapour Transmission	Method A	Method B	
Durex Ectoflex			18 ng/Pa.s.m ²	91 ng/Pa.s.m ²	
Air Barriers					
Durex Flexcrete		(Refer to product specific Technical Data Sheet for more detailed data)	400 ng/Pa.s.m ²	972 ng/Pa.s.m ²	
INSULATION ADHESIVE:					
Durex Flexcrete	ASTM D1623 Adhesion Properties	1.12 MPa (162 psi)			
Durex Monobase	(Refer to product specific Technical Data Sheet for more detailed data)	1.38 MPa (200 psi)			
Durex VCA 3.0		1.02 MPa (148 psi)			
LAMINA:			Retention Physical	Retention Performance	
Impact Resistance		ASTM E2486 – Impact Resistance			
Durex Fiberglass Mesh			Standard 3 N.m	10 N.m	PASS
(Note: Impact resistance level is directly related to the weight and layers of Fiberglass mesh used in the lamina)		(Refer to Table 1.5.9 of the Flexlite Select ICF Specifications for detailed selection chart for guidance on level of impact resistance required)	Intermediate 8 N.m	15 N.m	PASS
			High 13 N.m	20 N.m	PASS
			Ultra High 20 N.m	30 N.m	PASS
			Extreme 25 N.m	40 N.m	PASS
Base Coat					
Durex Monobase		CAN/ULC S114 Noncombustibility	Rated Noncombustible		
Durex Flexcrete					
FINISHES:					
Durex Architectural Coatings		CAN/ULC S716.1 & CCMC Report # 13103-R	Durex Architectural Coatings		
Classic Series			Meet and exceed all requirements		
Premium Series					
Artisan Series		(Refer to product specific Technical Data Sheet and CCMC Evaluation Report # 13103-R for more detailed data)			
Kolor Gard Series					
Elastomeric (FX) Series					

PERFORMANCE:	<i>(Refer CCMC Evaluation Report # 13103-R for complete detailed performance data)</i>	
Fire Protection	CAN/ULC S101 & CAN/ULC S114 <i>(Compliance to NBC 3.2.3.8(1) (b))</i>	Rated as non-combustible cladding ULC design EW23
	CAN/ULC S134 <i>(Compliance to NBC 3.1.5.5)</i>	Intertek listing # DPL-WEIFS 30-01
Wind Load Resistance	ASTM E330 – sustained	-2.5 kPa for 60min. – no visible damage to any of the wall components
	ASTM E330 – cyclic	600 cycles alt. 0 to -2.5kPa – no visible damage to any of the wall components
	ASTM E330 – blow-out	-3.75kPa applied for 10 sec. – no visible damage to any of the wall components - max. pressure 7.12 kPa
Water Tightness	ASTM E331	400 Pa pressure difference for 15 min. – no water penetration through the exterior surface finish
System Compliance	CCMC Technical Guide for EIFS CAN/ULC S716.1 EIFS Materials & System	CCMC Evaluation Report # 13103-R Durex Flexlite Select ICF is fully compliant with: CAN/ULC S716.1 Materials & System CAN/ULC S716.2 Installation of Components & WRB CAN/ULC S716.3 Design Application

Building Code Conformance:
Durex® Flexlite Select ICF complies with the following building code requirements (refer to applicable building code)

Classification	Category 3	Residential Cladding System
Part 3	Article 3.1.5.5 Article 3.1.5.2	Combustible Cladding on Exterior Walls Allowable Minor Combustible Components
Part 5	Section 5.6.1 Sub-Section 5.6.2.1 Section 5.9.4	Protection from Precipitation Sealing and Drainage Exterior Insulation Finish Systems
Part 9	Clause 9.25.2.2(1)(d) Sub-Section 9.25.5.2 Clause 9.27.1.1(5) Section 9.27.2 Article 9.27.3.1 Sub-Section 9.27.13 Article 9.10.14.5 & Table 9.10.14.5(A) Article 9.10.15.5	Insulation Materials CAN/ULC S701 Position of Low Permeance Membranes General (Cladding, Application) Required Protection from Precipitation Elements of Second Plane of Protection Exterior Insulation Finish Systems >10% Unprotected Openings > 0.6 m Limiting Distance

Application Apply all Durex System Products and components, (WRB, insulation, adhesive, base coat, reinforcing mesh, finish coat, sealants) in strict accordance with Durabond’s printed instructions. See Durabond’s Standard Specifications/Details and Durex Product Data Sheets.

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

Storage Store all Durex® Products and 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.

Health and Safety For information and advice on the safe handling, storage and disposal of chemical products, refer to the most recent SDS sheet containing physical, environmental, toxic and other safety/materials handling data. For industrial use only. Keep out of reach of children.

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 support is available upon request at info@durabond.com. For the latest version of this data sheet, please visit our website at www.durabond.com, call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Technical Coatings Ltd. sales representative.





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