

Durex Flexlite Select

Flexible Moisture Managed Exterior Insulation & Finish System (Adhered)

Description	Durex® Flexlite Select is an exterior insulation and finish system consisting of a moisture barrier, a 10mm geometrically defined drainage cavity, expanded polystyrene insulation, 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 is ideally suitable for new and retrofit residential & lowrise buildings.
Features	<ul style="list-style-type: none"> . 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 Green Guard		11 ng/Pa.s.m ²		48 ng/Pa.s.m ²	
Durex Ectoflex		18 ng/Pa.s.m ²		91 ng/Pa.s.m ²	
Air Barriers	(Refer to product specific Technical Data Sheet for more detailed data)				
Durex Flexcrete		400 ng/Pa.s.m ²		972 ng/Pa.s.m ²	
Durex AirStop		185 ng/Pa.s.m ²		505 ng/Pa.s.m ²	
Durex Dur-A-Mastic 100		248 ng/Pa.s.m ²		645 ng/Pa.s.m ²	
Durex Blue Shield		107 ng/Pa.s.m ²		268 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	(Refer to Table 1.5.9 of the Flexlite Select Specifications for detailed selection chart for guidance on level of impact resistance required)	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)		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 Meet and exceed all requirements			
Classic Series					
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:*(Refer CCMC Evaluation Report # 13103-R for complete detailed performance data)***Fire Protection**CAN/ULC S134
(Compliance to NBC 3.1.5.5)

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 ComplianceCCMC Technical Guide for EIFS
CAN/ULC S716.1 EIFS Materials & SystemCCMC Evaluation Report # 13103-R
Durex Flexlite Select 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 complies with the following building code requirements (refer to applicable building code)**

Classification	Category 2 CAN/ULC S134	Fire Test of Exterior Wall Assemblies
Part 3	Article 3.1.5.5 Article 3.1.5.2 Article 3.2.37 & Table 3.2.3.7	Combustible Cladding on Exterior Walls Allowable Minor Combustible Components >10% Unprotected Openings
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.



HEAD OFFICE
55 Underwriters Road
Scarborough, ON M1R 3B4
T 416.759.4474 F 416.759.4470

MISSISSAUGA
6178 Netherhart Road
Mississauga, ON L5T 1B7
T 905.565.9283 F 905.565.9365

EDMONTON
14345 120th Avenue
Edmonton, AB T5L 2R8
T 780.451.6364 F 780.453.9056

INFO@DURABOND.COM

WWW.DURABOND.COM

1.877.DURABOND (387.2266)

V2.01