

Durex Cladlite

A Prefabricated Modular & Site Modifiable Cladding Panel System

Description Durex Cladlite is a prefabricated modular non structural system. It consists of prefabrication of the EIFS portion and adhering it to the structure without the use of any metal or structural steel.

Uses Durex Cladlite is intended for use on new construction and retrofit- low, medium and high-rise buildings. Cladlite is a modular panelized cladding system with the unique ability to be custom fitted (Site modified) on site at the time of installation. Durex Cladlite is adhesively attached to the substrate as a simple and cost-effective method for the cladding of new and / or retrofit construction.

- Features**
- Pre-engineered Lightweight Panel Design
 - Adhesive attachment
 - Can be trimmed and adjusted to site condition without disturbing the finished surface
 - Simplifies the easiest method of cladding a building
 - Geometrically Defined Drainage Cavity (GDDC)
 - Superior Thermal Performance
 - Non-combustible base coats
 - **GDDC Factor 15% (Geometrically Defined Drainage Cavity)**
 - **CI factor 0.65 RSI (R 3.9) per inch (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:		<i>Thermal Resistance</i>		<i>GDDC Factor</i>	
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:					
<i>Air / Vapour Barriers</i>		ASTM E96 –Water Vapour Transmission	<i>Method A</i>	<i>Method B</i>	
Durex Ectoflex				2.9 ng/Pa.s.m ²	
<i>Air Barriers</i>					
Durex Flexcrete		<i>(Refer to product specific Technical Data Sheet for more detailed data)</i>	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	
PANEL ATTACHMENT:					
- Durex Flexcrete		ASTM B1623 – Adhesion Properties	1.12 MPa (162 psi)		
- Durex Monobase		<i>(Refer to product specific Technical Data Sheet for more detailed data)</i>	1.39 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
<i>(Note: Impact resistance level is directly related to the weight and layers of Fiberglass mesh used in the lamina)</i>		<i>(Refer to Table 1.5.9 of the Panelite Specifications for detailed selection chart for guidance on level of impact resistance required)</i>	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 Uniplast/Acrybond “S”		CAN/ULC S114 Noncombustibility	Rated Noncombustible		
Durex Monobase			Rated Noncombustible		
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		<i>(Refer to product specific Technical Data Sheet and CCMC Evaluation Report # 13103-R for more detailed data)</i>			
Kolor Gard Series					
Elastomeric (FX) Series					

PERFORMANCE: (Refer CCMC Evaluation Report # 13103-R for complete detailed performance data)		
Fire Protection	CAN/ULC S101 & CAN/ULC S114 (Compliance to NBC 3.2.3.8(1) (b))	Rated as non-combustible cladding ULC design EW21/ EW22
	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 Compliance	CCMC Technical Guide for EIFS CAN/ULC S716.1 EIFS Materials & System	CCMC Evaluation Report # 13103-R Durex Cladlite 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® Cladlite complies with the following building code requirements (refer to applicable building code)

Classification	Category 1 CAN/ULC S114 & CAN/ULC S101 CAN/ULC S134	Non-Combustible Lamina Fire Test of Exterior Wall Assemblies
Part 3	Article 3.1.5.5 Article 3.1.5.2 Article 3.2.3.7 & Table 3.2.3.7 Sub-Section 3.2.3.8 (1) (b)	Combustible Cladding on Exterior Walls Allowable Minor Combustible Components >10% Unprotected Openings (with EPS Type I & II) CAN/ULC S101-15 minutes-Non-Combustible Base Coat
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, (structural framing members, sheathing, WRB, insulation, fasteners, 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.

