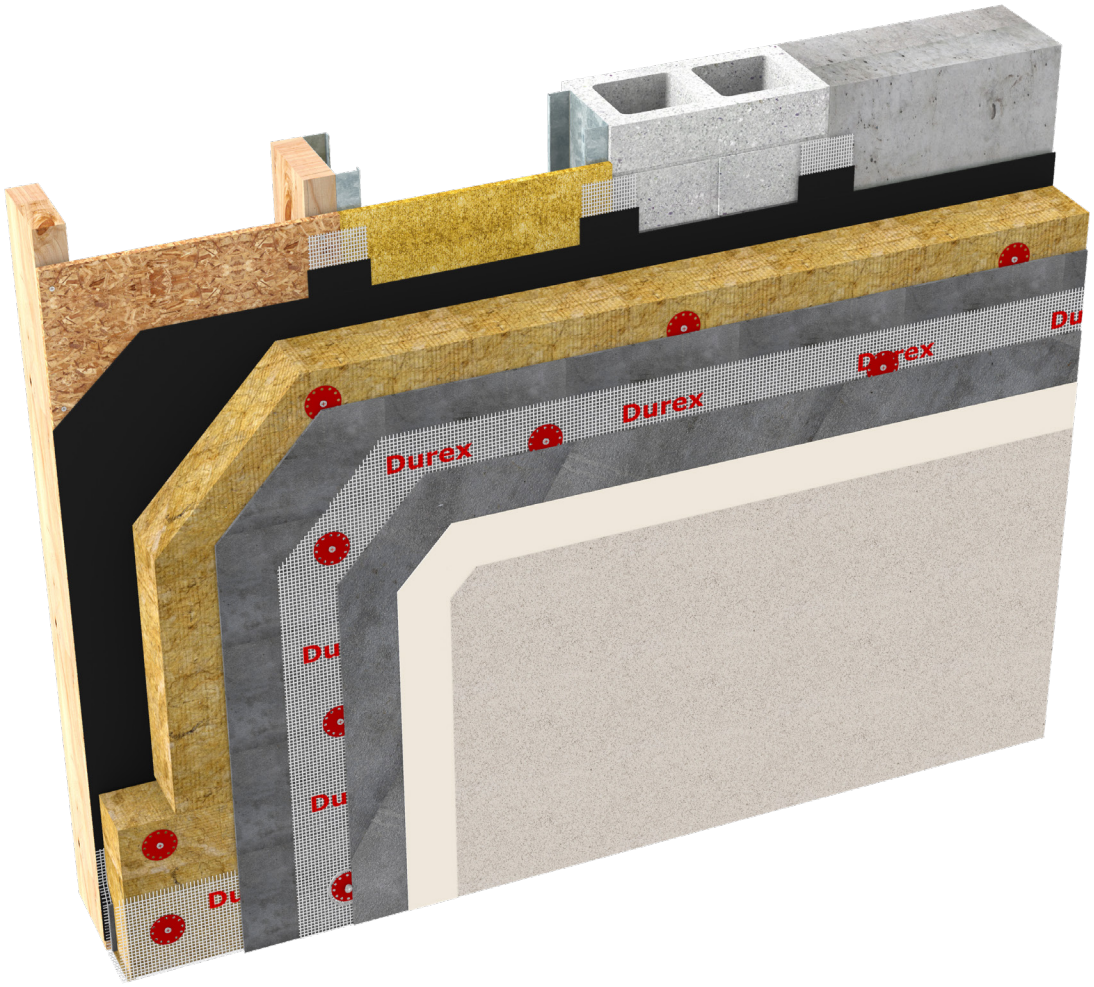
Durex® Equalite

NON-COMBUSTIBLE SYSTEM

Non-Combustible Pressure Equalized Mineral Fiber Insulation Finish System



CCMC 13103-R
CAN/ULC S716.1 Materials
CAN/ULC S716.2 Installations
CAN/ULC S716.3 Design Application

G.D.D.C Factor = 25%
C.I Factor = 0.70 RSI/Inch Semi-Rigid Mineral

Non- Combustible

Impact Resistance Ultra High

ECO

Eco-Friendly

Acoustic Resistance

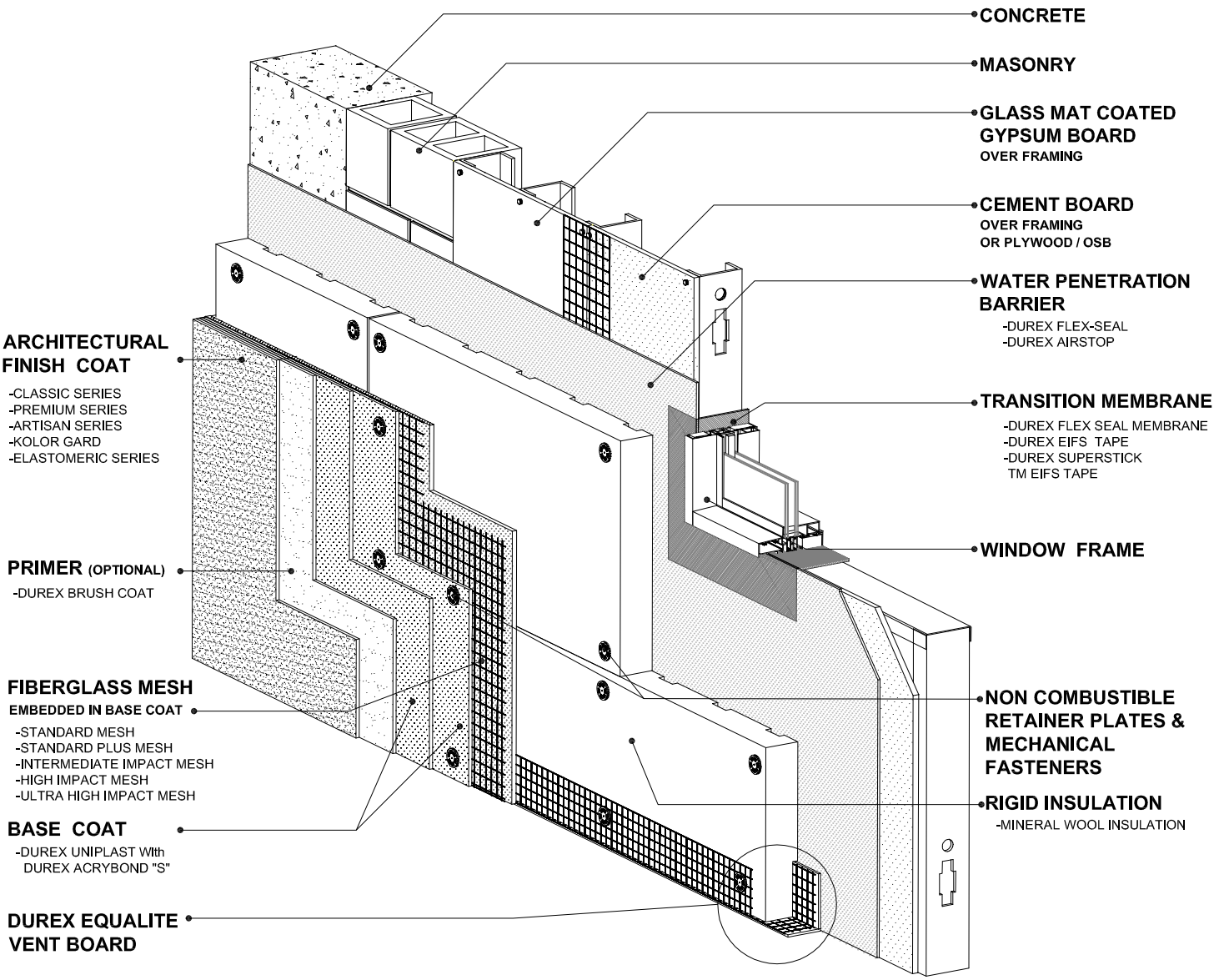
Protect. Enhance. Outperform.

DURABOND 50 YEARS 1967–2017

1-877-387-2266 info@durabond.com
www.durabond.com

Durex®
Equalite
NON COMBUSTIBLE SYSTEM

Non-Combustible EIFS Cladding
Pressure Moderated



Durabond
1-877-387-2266 - info@durabond.com - www.durabond.com

Durabond details are offered to assist in the development of project specific details; principles and variables incorporated in all details are the sole responsibility of the project professional(s).

System Isometric & Components

07240

Durex Equalite

Noncombustible Pressure Equalized Mineral Fiber Insulation Finish System

Description Durex® Equalite is a pressure equalized exterior insulation and finish system. The system, which has been independently tested, consists of a membrane air/vapour barrier, mineral fibre insulation, mechanical fasteners, glass fibre reinforcing mesh, continuous vent boards, non-combustible base coats, and a finish texture coat from any one of the available Durex Architectural Coatings.

Uses Durex® Equalite is suitable for use over a wide range of structurally sound substrates and is recommended for use in buildings which require to be of non-combustible construction and pressure equalized cladding.

Advantages

- Totally non-combustible cladding
- Pressure equalized (drained & vented principle)
- Continuous venting at floor lines and horizontal terminations
- Vertical orientation of the fibres in the rigid insulation allows for positive drainage
- Continuous water resistive barrier (self-sealing)
- Simple interfacing with other pressure equalized cladding systems
- Continuous high density thermal barrier
- Aesthetic design flexibility
- ***CI factor 0.70 RSI (R 4.0) per inch (Continuous Insulation)***

TECHNICAL DATA

SYSTEM COMPONENT	STANDARD/METHOD	RESULTS		
INSULATION:		***Thermal Resistance***	***GDDC Factor***	
Durex Equalite Mineral Fiber	CAN/ULC S702	0.70 RSI (R 4.0) per inch	-----	
WATER RESISTIVE BARRIER:				
Air / Vapour Barriers	ASTM E96 –Water Vapour Transmission	***Method A***	***Method B***	
Durex Flexseal			2.9 ng/Pa.s.m²	
Air Barriers	*(Refer to product specific Technical Data Sheet for more detailed data)*			
Durex Flexseal VP		629 ng/Pa.s.m²	972 ng/Pa.s.m²	
Durex AirStop		185 ng/Pa.s.m²	505 ng/Pa.s.m²	
INSULATION ATTACHMENT:				
-Durex"M" fasteners (masonry)	ASTM B-117 – salt spray	750 hrs. or better		
-Durex "W" fasteners (wood)	DIN 50012 - SO_2 exposure	25+ cycles		
-Durex "S" fasteners (steel)	FM4470 & DIN 50018 SFW	30 cycles Pass		
-Durex Equalite Washer NC		Encapsulated Noncombustible Metal Plate		
LAMINA:		**Retention Physical**	**Retention Performance**	
Impant 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 Equalite 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 Uniplast/Acrybond "S"	CAN/ULC S114 Noncombustibility	Rated Noncombustible		
Durex Monobase		Rated Noncombustible		
FINISHES:				
Durex Architectural Coatings	CAN/ULC S716.1 &	Durex Architectural Coatings		
Classic Series	CCMC Report # 13103-R	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:	*(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 S101 *(Fire Resistance rated Assemblies)*	2 hr. FR rating ULC design W425 (Non-Load Bearing) 1 hr. FR rating ULC design W489 (Load Bearing) 2 hrs. FR rating ULC design W485 (Load Bearing) 2 hrs. FR rating ULC design W456 (Non-Load Bearing)
	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 Equalite 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® Equalite complies with the following building code requirements (refer to applicable building code)

Classification	Category 1 CAN/ULC S114	NON-COMBUSTIBLE SYSTEM Non-Combustible Lamina Non-Combustible Insulation
Part 3	Article 3.1.5.1 Article 3.1.5.2 Article 3.2.3.7 & Table 3.2.3.7	Non-Combustible System Allowable Minor Combustible Components 0-10% 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 0-10% Unprotected Openings < 0.6 m Limiting Distance

Application

Apply all Durex System Products and components, (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 Products Ltd. sales representative.

DURABOND

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)