

LEXCOR

**DURASEAL****Light Concrete Air/Vapour Tight Panel**

Elastomeric air/vapour tight membrane, factory fused to a light concrete panel for institutional, commercial and industry-related applications

**A**dvantages

- Durability and structural strength
- Superior quality control
- Panel stability
- Low installation cost
- Screws in and installs easily
- Seals building faster
- Year-round installation, even in cold weather
- Moisture resistant (inorganic)
- Self-sealing membrane
- Exceeds part 5 of the National Building Code of Canada's recommendations

Visit our video channels: <https://vimeo.com/channels/lexcoren>

**COMMERCIAL BUILDING PRODUCTS**

Ontario & Western Canada  
1.800.268.2889



Quebec & Eastern Canada  
1.800.363.2307

lexcor.net

# DURASEAL

LIGHT CONCRETE AIR AND VAPOUR TIGHT PANEL



## TECHNICAL SPECIFICATIONS

### DIMENSIONS

Width x Length: 36" X 96" (914.40 mm X 2438.40 mm)

Mass: 3.0 lbs/ft<sup>2</sup> (1.4 kg/m<sup>2</sup>)

Thickness: 1/2" (12.5 mm)

Relative humidity, warm side at 21°C	CNB 2005 system air permeability recommendations Maximum recommended permeability rate for systems, in L/(s•m <sup>2</sup> ) at 75 Pa	Duraseal panel results Air leaks in L/(s•m <sup>2</sup> )
< 27%	0.15	0.004
27 to 55%	0.10	0.004
> 55%	0.05	0.004

LIGHT CONCRETE SUPPORT PANELS	
Compression resistance	1087 psi (7.2 MPa)
Bacterial resistance (ASTM G22)	No growth
Moisture resistance (ASTM G21)	No growth
Flame propagation/ smoke generation (ASTM E84) (CAN/ULC-S102-M88)	0/0 0
Water absorption (ASTM C473)	< 10%

AIR/VAPOUR TIGHT MEMBRANE	
Low temperature flexibility (ONGC 37-GP-56M)	-32°C (-26°F)
Rupture resistance (ONGC 37-GP-56M)	12/12 Kn/m (69/69 lbs/po)
Elongation at rupture (ONGC 37-GP-56M) MD/XD	4% / 4%
Rupture resistance (ONGC 37-GP-56M)	80N
Water vapor permeability (ASTM E96-80)	2.6 ng/m <sup>2</sup> •s (0.05 Perms)
Air permeability (membrane) (ASTM E283)	No measureable leaks

### SPECIFIC NOTES

Des changements de température peuvent engendrer une variance dans l'apparence de certains produits due à des caractéristiques physiques inhérentes aux composantes utilisées. L'apparition de petites poches sur la surface du Duraseal est la résultante de l'expansion et la contraction de l'adhésif de la membrane dues à la fluctuation de température. Ces anomalies visuelles ne sont pas causées par une infiltration/exfiltration d'air et n'affectent en aucun cas la performance du produit.

If a self-adhesive tape and primer is used, it is mandatory to heat and melt the panel's plastic film.

If a part of the membrane is not adhered, re-adhere it with Lexcor Multigrip Primer; or alternatively, cut the non-adhered section if it is to be covered by a second layer of membrane.

### INSTALLATION

**Steel framing:** Install DURASEAL panels with membrane side facing out, horizontally, staggering the joints a minimum of 16" between each row. Surface cut the membrane on the panel, bend and cut the underside. DURASEAL panel must be screwed in at intervals of 200 mm c/c, using rust resistant screws, specially made for the installation of cement panels such as Permabase panels. Screws must be at least 51 mm away from any corner and no closer than 8 mm from the edge. No need to pre-drill panels before screwing them in. The screw head must rest on top of the air/vapour tight membrane without piercing it.

**Joints and transition membrane:** Panel joints must be sealed using Polytape 6" wide, self-adhesive air/vapour tight membrane tape. Ensure panel surface is clean before applying tape. We recommend using MULTIGRIP primer on joints before taping. The Polytape 6" wide self-adhesive air/vapour tight tape must be centred over the joint and pressed into place while removing the protective backing.

**Masonry anchors:** Masonry anchors can be installed directly on the DURASEAL panels which are secured on the metal studs.

**Cutting:** Use a carbide blade or an electric saw with a carbide blade. Wear an anti-dust safety mask.

### RESTRICTIONS

- Product not oil and solvent resistant
- Do not leave permanently exposed, protect with insulation as soon as possible
- Must not be used as a load bearing element of the building
- Use with sprayed polyurethane insulation; the plastic film on the panel's surface membrane must be burned or removed with a torch in order to maximise adhesion.

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