

# VapAirB'ORD

**Description :** VapAirB'ord panels are composed of an SBS modified bitumen top layer applied to a base substrate of either a treated gypsum core. Select grade plywood or lightweight concrete. At the factory, the SBS modified bitumen layer is heat-welded to the pre-conditionned substrate and then covered with a woven high density polyethylene (HDPE) reinforcement fabric.

**Product :** A pre-manufactured panel to your specifications :

- **TCG** : Treated gypsum core; 13mm (1 / 2 in.) or 16mm (5/8 in) thickness,
- **D** : Treated gypsum core with glass mat facings; 13 - 17 mm (1/2-5/8 in) thickness.
- **PW** : Select grade plywood base; 16 mm (5/8 in) thickness
- **LC** : Ultra lightweight concrete base, with 40 % recycle material; 13 mm (1/2 in) thickness
- **FAT** :Treated gypsum core with cellulose fibre; 13mm (1/2 in) thickness.
- **NOTE** : - Size, all panels 1.2 m x 2.4 m (4 ft x 8 ft)  
 - Other substrates available on special order..  
 - **STORAGE** : Keep in its original packaging, protect from weather.

**Characteristics :**

	D 1/2	TCG 1/2	FAT	PW	LC
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- Total thickness mm (in).....	13.5 (9/16)	13.5 (1/2)	17 (5/8)	12 (1/2)	
- Weight kg / m <sup>2</sup> (psf).....	9 (1,8)	14.6 (3)	7,5 (1,5)	9.8 (2)	
- Compression resistance N (psi)....	124(500)	124 (500)	-----	284 (1,150)	

## Installation instructions :

- **FASTENERS** : Zinc treated self-tapping screw with 11.5mm flat head such as VapAirSCREW.
- **INSTALLATION** : Attach panels with long dimension in horizontal direction using appropriate fasteners. Fasten at 200mm c/c along panel edges and at a 200 mm c/c on intermediate supports. Without applying force, butt panels firmly to each other and against other building components. Stagger vertical joints at least 400 mm. Fasteners must make contact with top surface without piercing panel's surface finish.
- **JOINT TREATMENT** : Use joint treatment tape VapAir-TAPE. Apply joint treatment tape per VapAir-TAPE application instructions (see VapAir-TAPE technical bulletin). All joints between panels must be sealed with 150mm ( 6 in.) tape, within reasonable delay. Using VapAir-MASTIC, seal the perimeter of all parts or equipment penetrating into the system. Protect upper portion of completed

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work at end of shift when precipitation is impending or installation will be deferred for more than a day.

## Properties :

Property	Standard	VapAirB'ord
Surface covering		Woven PEHD fabric Laminated to 2 layers of HDPE film
Resistance to static surface perforation (N)	ASTM D 5602	400
Tear resistance L / T (N)	ASTM D 5601	375 / 400
Water absorption ( top surface)	ASTM D 5147	0,1 Max.
Peel resistance ( surface film) (N / m)	ASTM D 903	+ 1 200
Air permeability (l / s-m <sup>2</sup> ) (system)	ASTM E 283	0,022
Water vapour permeability : Assembly ( Ng / Pa-s-m <sup>2</sup> )	ASTM E 96	0,08

**Note :** In light of advances, in knowledge and technology, TOPB'ORD Systems inc. reserves the right to modify without prior notice the composition and the conditions or use of its materials. Consequently, an order will be accepted under the conditions and specifications in effect on the day it is received.