



TECHNICAL DATA SHEET

STRUCTURAL WOOD FIBRE SHEATHING

EXCEL

DESCRIPTION:

EXCEL extreme sheathing is manufactured by Building Products of Canada Corp. A leading producer of high-quality wood fibre products. **EXCEL** is made by applying an air barrier membrane to a structural wood fibre insulation panel. The membrane is an air-barrier which imparts resistance to water penetration while being permeable to water vapour. The panel is composed of interlocking wood fibres impregnated with a wax emulsion. **EXCEL** is volatile organic compound (VOC) free and has excellent thermal resistance and sound deadening properties.

USES:

EXCEL is used as a combined air barrier and insulating sheathing on the exterior of wood or steel studs in frame or in solid plank construction.

STORAGE:

EXCEL extreme sheathing wood fibre panels must be stored 100 mm (4") above ground level and adequately protected from the elements with tarpaulins.

PHYSICAL PROPERTIES

SKU	Thickness and Dimensions	Coverage/bundle	Panels/bundle
BEX0549	12.7 mm x 1219 mm x 2743 mm (1/2" x 48" x 108")	321,1 m ² (3456 ft ²)	96

CHARACTERISTICS	UNITS		RESULTS BP		REQUIREMENTS		TEST METHOD
	METRIC	IMPERIAL	METRIC	IMPERIAL	METRIC	IMPERIAL	
Thermal Resistance Min (12.7 mm)	RSI	R	0,26	1,5	0,25	1,42	ASTM C518
Water Vapour Permeance Min.	ng / (Pa s·m ²)	perms	200	3,5	170	2,96	ASTM E96
Air Permeance Max.	L / (s·m ²)	-	0,0015	-	0,02	-	ASTM E2178
Transverse Load at Rupture Min.	N	lbf	80	18	62	13,9	ASTM C209
Tensile Parallel to Surface Min. (machine direction)	kPa	lb/in ²	2989	434	1000	145	ASTM C209
Linear Moisture Expansion Max.	%	%	0,22	0,22	0,5	0,5	ASTM D1037
Water Absorption Max. 2 hours	%	%	3,4	3,4	7,0	7,0	ASTM C209
Water Ponding (original)	-	-	Pass	Pass	No leak	No leak	CCMC
Water Ponding after UV and Heat Aging	-	-	Pass	Pass	No leak	No leak	CCMC

APPLICABLE STANDARDS

CAN/ULC-S706.1, Type II Class 3 and Class 4;
CCMC 13584-R
CCMC 13565-R