

Vertibreak® 4 (1 3/4") and 4-S (1 15/16")

Rainscreen Insulation
With Fibre Cement Siding

Vertibreak® 4 is 1 3/8" + 3/8" cavity
for a total 1 3/4" product.
4-S - add 3/16" for a total thickness 1 15/16" †

WALLS	Walls (Studs & Cavity)	Vertibreak®	Interior air film	1/2" drywall	1/2" plywood or 7/16" OSB	3/8" air space	5/16" cement board	Exterior air film	Total Effective RSI	Total Effective R Value	Zone 4 (15.78)	Zones 5, 6, 7A (17.48)	Zones 5, 6, 7A w/HRV (16.86)	Zone 7B (21.86)	Zone 7B w/HRV (17.48)	Vancouver Zone (RSI 3.85)
	RSI	RSI	RSI	RSI	RSI	RSI	RSI	RSI	RSI							
2x6 at 16" OC, R20	2.43	1.06	0.12	0.08	0.11	0.15	0.026	0.03	4.01	22.75	✓	✓	✓	✓	✓	✓
2x6 at 16" OC, R22	2.55	1.06	0.12	0.08	0.11	0.15	0.026	0.03	4.13	23.43	✓	✓	✓	✓	✓	✓
2x6 at 16" OC, R24	2.66	1.06	0.12	0.08	0.11	0.15	0.026	0.03	4.24	24.05	✓	✓	✓	✓	✓	✓
2x6 at 12" OC, R22	2.49	1.06	0.12	0.08	0.11	0.15	0.026	0.03	4.07	23.09	✓	✓	✓	✓	✓	✓
2x4 at 16" OC, R12	1.49	1.06	0.12	0.08	0.11	0.15	0.026	0.03	3.07	17.41	✓	X	✓	X	X	X
2x4 at 16" OC, R14	1.62	1.06	0.12	0.08	0.11	0.15	0.026	0.03	3.20	18.15	✓	✓	✓	X	✓	X
2x4 at 12" OC, R14	1.59	1.06	0.12	0.08	0.11	0.15	0.026	0.03	3.17	17.98	✓	✓	✓	X	✓	X

Vertibreak® 6 (1 15/16") and 6-S (2 1/8")

Rainscreen Insulation
With Fibre Cement Siding

Vertibreak® 6 is 1 9/16" + 3/8" cavity
for a total 1 15/16" product.
6-S - add 3/16" for a total thickness 2 1/8" †

WALLS	Walls (Studs & Cavity)	Vertibreak®	Interior air film	1/2" drywall	1/2" plywood or 7/16" OSB	3/8" air space	5/16" cement board	Exterior air film	Total Effective RSI	Total Effective R Value	Zone 4 (15.78)	Zones 5, 6, 7A (17.48)	Zones 5, 6, 7A w/HRV (16.86)	Zone 7B (21.86)	Zone 7B w/HRV (17.48)	Vancouver Zone (RSI 3.85)
	RSI	RSI	RSI	RSI	RSI	RSI	RSI	RSI	RSI							
2x6 at 16" OC, R20	2.43	1.19	0.12	0.08	0.11	0.15	0.026	0.03	4.17	23.48	✓	✓	✓	✓	✓	✓
2x6 at 16" OC, R22	2.55	1.19	0.12	0.08	0.11	0.15	0.026	0.03	4.26	24.17	✓	✓	✓	✓	✓	✓
2x6 at 16" OC, R24	2.66	1.19	0.12	0.08	0.11	0.15	0.026	0.03	4.37	24.79	✓	✓	✓	✓	✓	✓
2x6 at 12" OC, R22	2.49	1.19	0.12	0.08	0.11	0.15	0.026	0.03	4.20	23.82	✓	✓	✓	✓	✓	✓
2x4 at 16" OC, R12	1.49	1.19	0.12	0.08	0.11	0.15	0.026	0.03	3.20	18.15	✓	✓	✓	X	✓	X
2x4 at 16" OC, R14	1.62	1.19	0.12	0.08	0.11	0.15	0.026	0.03	3.33	18.89	✓	✓	✓	X	✓	X
2x4 at 12" OC, R14	1.59	1.19	0.12	0.08	0.11	0.15	0.026	0.03	3.30	18.71	✓	✓	✓	X	✓	X

Vertibreak® VC (2 11/16") and VC-S (2 15/16")

(Vancouver) Rainscreen Insulation
With Fibre Cement Siding

Vertibreak® VC is 2 5/16" + 3/8" cavity
for a total 2 11/16" product.
VC-S - add 1/4" for a total thickness 2 15/16" †

WALLS	Walls (Studs & Cavity)	Vertibreak®	Interior air film	1/2" drywall	1/2" plywood or 7/16" OSB	3/8" air space	5/16" cement board	Exterior air film	Total Effective RSI	Total Effective R Value	Zone 4 (15.78)	Zones 5, 6, 7A (17.48)	Zones 5, 6, 7A w/HRV (16.86)	Zone 7B (21.86)	Zone 7B w/HRV (17.48)	Vancouver Zone (RSI 3.85)
	RSI	RSI	RSI	RSI	RSI	RSI	RSI	RSI	RSI							
2x6 at 16" OC, R20	2.43	1.76	0.12	0.08	0.11	0.15	0.026	0.03	4.71	26.72	✓	✓	✓	✓	✓	✓
2x6 at 16" OC, R22	2.55	1.76	0.12	0.08	0.11	0.15	0.026	0.03	4.83	27.40	✓	✓	✓	✓	✓	✓
2x6 at 16" OC, R24	2.66	1.76	0.12	0.08	0.11	0.15	0.026	0.03	4.94	28.03	✓	✓	✓	✓	✓	✓
2x6 at 12" OC, R22	2.49	1.76	0.12	0.08	0.11	0.15	0.026	0.03	4.77	27.06	✓	✓	✓	✓	✓	✓
2x4 at 16" OC, R12	1.49	1.76	0.12	0.08	0.11	0.15	0.026	0.03	3.77	21.38	✓	✓	✓	X	✓	X
2x4 at 16" OC, R14	1.62	1.76	0.12	0.08	0.11	0.15	0.026	0.03	3.90	22.12	✓	✓	✓	✓	✓	✓
2x4 at 12" OC, R14	1.59	1.76	0.12	0.08	0.11	0.15	0.026	0.03	3.87	21.95	✓	✓	✓	✓	✓	✓

NOTE: The examples above are shown with fibre cement siding. Generally speaking most other exterior claddings increase the R-value/RSI value. You may wish to use the following RSI values for other claddings in place of the 5/16" fibre cement board above: 7/16" fibre cement panel (0.026), 3/4" coat stucco (0.03), wood siding (0.14), wood shingles (0.15), brick @ 4" (0.07), manufactured stone @ 1.5" (0.09), vinyl/aluminum (0.11). All numbers are approximate and may need to be verified.
†) The "S" product comes with 3/16" foam cover sheet on the exterior of the rainscreen cavity. Cover sheet blocks stucco and mortar in stucco/stone applications. No insulation value has been attributed to this cover sheet.