

JA4.3 Walls

Table 4.3.1 – U-factors of Wood Framed Walls with 1/2-inch Gypsum Board

$U = 0.048$

Spacing	Cavity Insulation	Nominal Framing Size	Rated R-value of Continuous Insulation ²										
				R-0	R-2	R-4	R-5	R-6	R-7	R-8	R-10	R-12	R-15
			1	A	B	C	D	E	F	G	H	I	J
16 in. OC	None	Any	1	0.356	0.209	0.146	0.127	0.113	0.101	0.092	0.078	0.067	0.056
	R-11	2x4	2	0.110	0.088	0.074	0.068	0.064	0.060	0.056	0.050	0.045	0.040
	R-13	2x4	3	0.102	0.082	0.069	0.064	0.060	0.056	0.053	0.047	0.043	0.038
	R-15 ¹	2x4	4	0.095	0.077	0.065	0.060	0.056	0.053	0.050	0.045	0.041	0.036



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8 ft. x 2 in. x 48 in.

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Length x Width

Notes

- Higher density fiberglass batt is required in these cases.
- Continuous insulation may be installed on either the inside or the exterior of the wall, or both.

This table contains U-factors for wood framed walls, which are typical of low-rise residential buildings and Type V nonresidential buildings. If continuous insulation is not used, then choices are made from Column A. In this case, the insulation is installed in the cavity between the framing members. When continuous insulation is used, this is typically installed on the exterior