



EFFECTIVE THERMAL RESISTANCES OF ASSEMBLIES (ETR)

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Effective Thermal Resistance of Above-ground Opaque Assemblies in Buildings without a Heat-Recovery Ventilator	RSI	R-Value
Ceilings below attics	8.67	49
Cathedral ceilings and flat roofs	4.67	27
Walls	3.08	17
Floors over unheated spaces	4.67	27
Effective Thermal Resistance of Above-ground Opaque Assemblies in Buildings with a Heat-Recovery Ventilator	RSI	R-Value
Ceilings below attics	8.67	49
Cathedral ceilings and flat roofs	4.67	27
Walls	2.97	17
Floors over unheated spaces	4.67	27
Effective Thermal Resistance of Assemblies Below-Grade or in Contact with the Ground in Buildings without a Heat-Recovery Ventilator	RSI	R-Value
Foundation walls	2.98	17
Unheated floors	0	0
Below frost line	0	0
Above frost line	1.96	11
Heated and unheated floors on permafrost	0	0
Heated floors	2.84	16
Slabs on grade with integral footing	3.72	21
Effective Thermal Resistance of Assemblies Below-Grade or in Contact with the Ground in Buildings with a Heat-Recovery Ventilator	RSI	R-Value
Foundation walls	2.98	17
Unheated floors	0	0
Below frost line	0	0
Above frost line	1.96	11
Heated and unheated floors on permafrost	0	0
Heated floors	2.32	13
Slabs on grade with integral footing	1.96	11