

Air Space Requirements -- Post Frame Applications

**All applications with an R-Value claim must have an enclosed air space (a cavity without free air flow) or face an open air space.
Please refer to the chart below for the Air Space Requirements per application.**

Application:	Benefit:	Air Space Specification (relative to product):	Building Components (that product is attached to):	Product/s:
Roof/New Below Purlin	R-9.0 Down R-4.4 Up	1.5" Above and Open Below	Above the Truss and Below the Purlin	Double-Sided Reflective Insulation
Roof/New Above Purlin	R-6.4 Down R-4.3 Up	0.75" (nominal) Above and Open Below	Below the Roof and Above the Purlin	Double-Sided Reflective Insulation
Roof/Retro Bottom of Truss	R-10 Down R-3.7 Up	10" + Above and Open Below	Bottom of Truss	Double-Sided Reflective Insulation
Roof/Retro Bottom of Purlin	R-9.0 Down R-4.4 Up	1.5" Above and Open Below	Bottom of Purlin	Double-Sided Reflective Insulation
Wall/New Inside of Girt	R-5.3	1.5" Outside and Open Inside	Inside of Girt	Double-Sided Reflective Insulation
Wall/New Outside of Girt	R-4.7	0.75" (nominal) Outside and Open Inside	Outside of Girt and Inside Exterior Panel	Double-Sided Reflective Insulation
Wall/Retro	R-5.3	1.5" Outside and Open Inside	Inside of Girt	Double-Sided Reflective Insulation

Roof/New Above Purlin	R-3.8 Down R-3.5 Up	0.75" (nominal) Above and Open Below	Below the Roof and Above the Purlin	Single-Sided Reflective Insulation
Roof/Retro Bottom of Truss	R-6.6 Down R-3.0 Up	10" + Above and Open Below	Bottom of Truss	Single-Sided Reflective Insulation
Wall/New Outside of Girt	R-3.7	0.75" (nominal) Outside and Open Inside	Outside of Girt and Inside Exterior Panel	Single-Sided Reflective Insulation
Wall/Retro	R-4.2	1.5" Outside and Open Inside	Inside of Girt	Single-Sided Reflective Insulation