

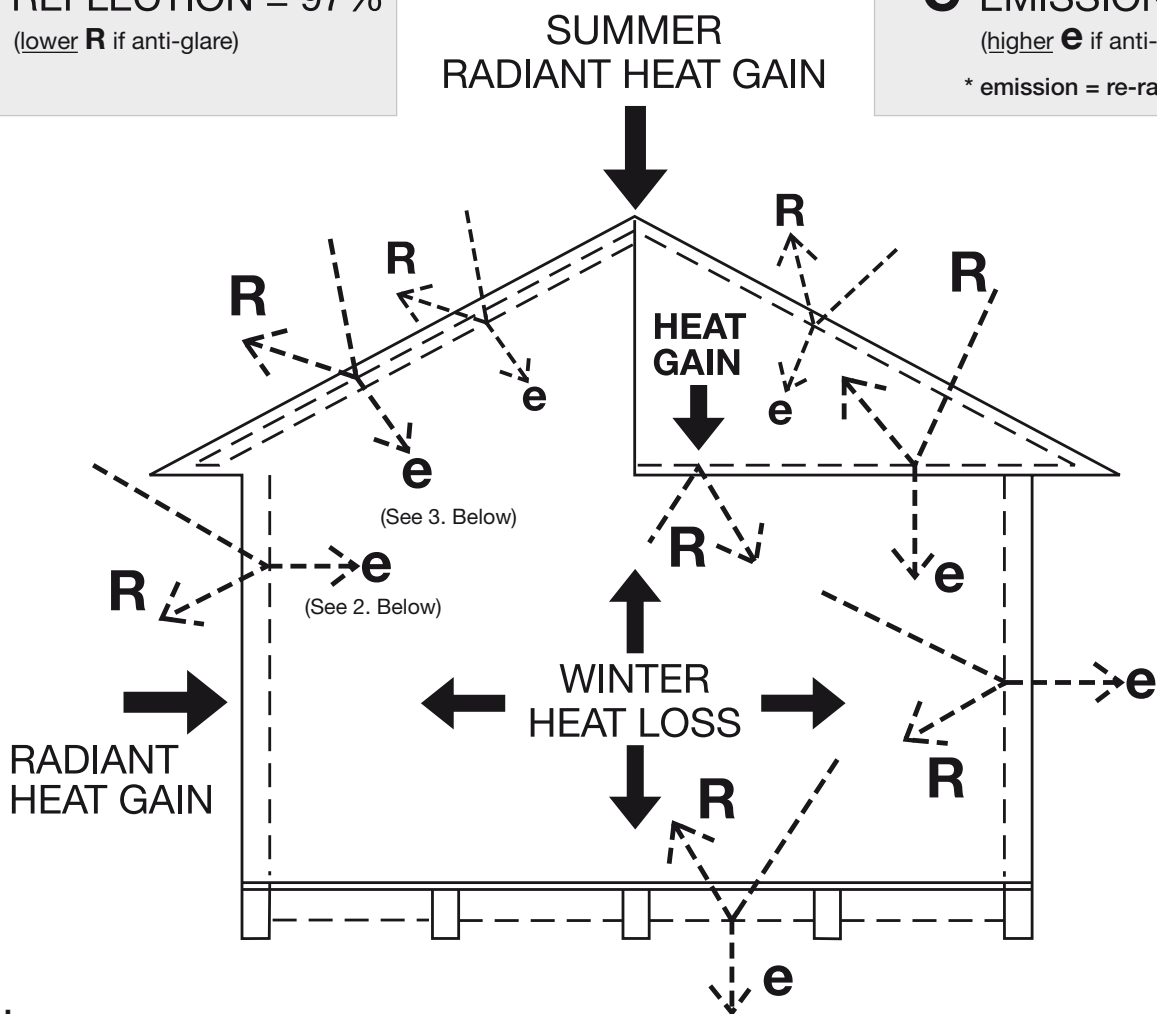
RADIATION RESISTANCE CAPABILITIES OF DOUBLE-SIDED ALUMINIUM FOIL INSULATION MATERIALS

* CONDITIONAL ON EXISTENCE OF ADJOINING AIRSPACES

EXPRESSED AS "REFLECTION" AND "EMISSION"

R REFLECTION = 97%
 (lower **R** if anti-glare)

e EMISSION = 3%
 (higher **e** if anti-glare)
 * emission = re-radiation



NOTES:

- 1). Double-sided foil insulations: REFLECTION and EMISSION functioning in all positions.
- 2). Single-sided (anti-glare) roll foil: REFLECTION or EMISSION is functioning, but not both.
 Walls: in summer, only low emission occurring, but will cease if R1.5-2.5 batts press against foil.
- 3). Sloping ceilings: in hot climates, two foil radiant barriers needed for dual hot/cold climates, use a combination of bulk and foil, with 50-100mm airgap between foil and batts.