

# EFFECTIVE EMISSIVITIES OF AIR SPACES

Surface	Reflectivity [%]	Surface Emissivity, $\epsilon$	Effective Emissivity, E	
			$\epsilon_1 = 0.90$ $\epsilon_2 = \epsilon$	$\epsilon_1 = \epsilon_2 = \epsilon$
Aluminum Foil, Bright	92-97	0.05	0.05	0.03
Aluminum Sheet	80-95	0.12	0.12	0.06
Aluminum Paper, Polished	75-84	0.20	0.20	0.11
Galvanized Steel, Bright	70-80	0.25	0.24	0.15
Aluminum Paint	30-70	0.50	0.47	0.35
Building Materials	5-15	0.90	0.82	0.82

Adapted from: Hutcheon & Handegord, table 8.3