Emittance & Reflectance Chart

Material	Emittance	Reflectance
Fiberglass Insulation	1.0	0.0
Black Matte Lacquer Paint	0.97	0.03
Wood or Paper	0.92	0.08
Paints	0.90	0.10
Interior Radiation Control Coatings	0.22 to 0.25	0.75 to 0.78
Radiant Barriers (foil and metalized)	0.03 to 0.05	0.95 to 0.97

Radiant Barrier Range	0.10 or less	0.90 or Higher

Comments:

Emittance Range 0 to 1.0, the lower the number the better the performance
Emittance example: 0.03 is 3% of the maximum radiation that can be given off by a surface.

Reflectance Range 0 to 1.0, the higher the number the better the performance
Reflectance example: 0.97 means that 97% of the incoming radiation is reflected.

Fiberglass (batts and loose-fill) is porous allowing radiation to penetrate the product.