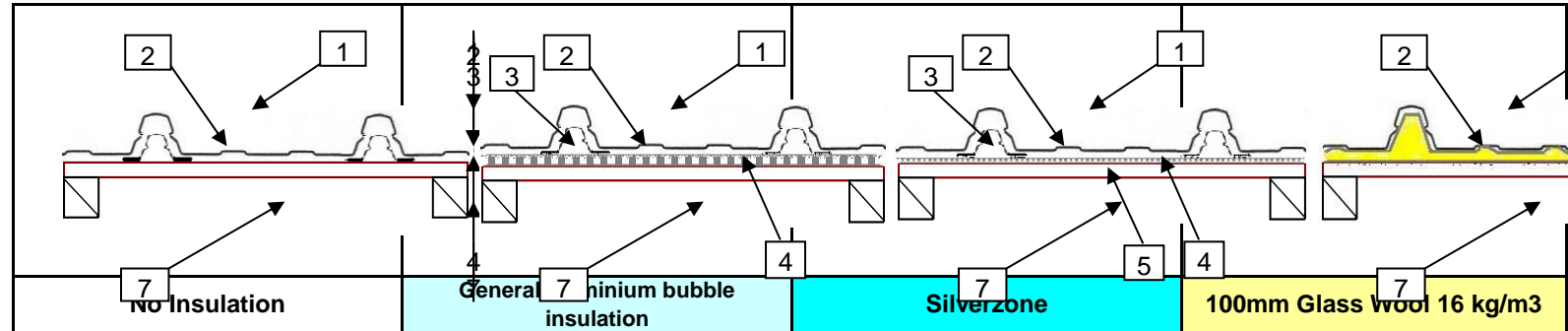




Calculation of R & U value under typical metal GI sheet roof

Comparison between Silverzone Thermal Reflective Insulation to 4", 16kg, Fiber Glass\ Glass Wool

Using Blue Scope V700 profile with shallow clip lock rows



Parameters

		R Value	R Value	R Value	R Value
1	Outside Air Film	0.06	0.06	0.06	0.06
2	Typical BHP metal roof sheet system	0.01	0.01	0.01	0.01
3	Low E facing Upper Air Gap (16.7mm)*		0.62	0.62	
4	Air Bubbles heat resistance contribution		0.10	0.20	
5	Low E facing lower Air Gap		1.44	1.77	
6	Glass Wool Estimated effective thermal resistance				1.49
7	Internal air film (fixed)	0.16	0.16	0.16	0.16
R Value total, Rt		0.23	2.39	2.82	1.72
U Value = 1 / Rt		4.33	0.42	0.35	0.58
Finish Look: Internal View		Same as roof color (silver)	Aluminum Color	Aluminum Color	Aluminum Color

R (Thermal Resistance); m ² .k/W
U (Thermal Transmittance) ; W/m ² .k