Offices Wall

Wall Details

Outside Surface Color ..... **Dark**
Absorptivity **0.900**
Overall U-Value ..... **3.156** W/(m²-°K)

Wall Layers Details (Inside to Outside)

Layers	Thickness mm	Density kg/m³	Specific Ht. kJ / (kg - °K)	R-Value (m²-°K)/W	Weight kg/m²
Inside surface resistance	0.000	0.0	0.00	0.12064	0.0
100mm common brick	100.000	1922.2	0.84	0.13757	192.2
Outside surface resistance	0.000	0.0	0.00	0.05864	0.0
Totals	**100.000**	**-**		**0.31685**	**192.2**

Steel Wall

Wall Details

Outside Surface Color ..... **Dark**
Absorptivity **0.900**
Overall U-Value ..... **0.387** W/(m²-°K)

Wall Layers Details (Inside to Outside)

Layers	Thickness mm	Density kg/m³	Specific Ht. kJ / (kg - °K)	R-Value (m²-°K)/W	Weight kg/m²
Inside surface resistance	0.000	0.0	0.00	0.12064	0.0
Steel	1.000	7833.0	0.50	0.00002	7.8
board insulation	50.000	32.0	0.92	2.40746	1.6
Outside surface resistance	0.000	0.0	0.00	0.05864	0.0
Totals	**51.000**	**-**		**2.58676**	**9.4**

Offices Roof

Roof Details

Outside Surface Color ..... **Dark**
Absorptivity **0.900**
Overall U-Value ..... **0.585** W/(m²-°K)

Roof Layers Details (Inside to Outside)

Layers	Thickness mm	Density kg/m³	Specific Ht. kJ / (kg - °K)	R-Value (m²-°K)/W	Weight kg/m²
Inside surface resistance	0.000	0.0	0.00	0.12064	0.0
Board insulation	30.000	32.0	0.92	1.44447	1.0
102mm HW concrete	150.000	2242.6	0.84	0.08667	336.4
Outside surface resistance	0.000	0.0	0.00	0.05864	0.0
Totals	**180.000**	**-**		**1.71042**	**337.4**

Steel Roof

Roof Details

Outside Surface Color ..... **Dark**
Absorptivity **0.900**
Overall U-Value ..... **0.264** W/(m²-°K)

Roof Layers Details (Inside to Outside)

Layers	Thickness mm	Density kg/m³	Specific Ht. kJ / (kg - °K)	R-Value (m²-°K)/W	Weight kg/m²
Inside surface resistance	0.000	0.0	0.00	0.12064	0.0
Steel deck	1.000	7833.0	0.50	0.00002	7.8
Board insulation	75.000	32.0	0.92	3.61118	2.4
Outside surface resistance	0.000	0.0	0.00	0.05864	0.0
Totals	**76.000**	**-**		**3.79048**	**10.2**