



ThermalCrete™

Thermal Ratings

20mm Cavity Space

--- Auxiliary calculation to the right

Assembly no.	Building assembly description					Interior insulation?
1	Thermcrete Typical Wall					no
Heat transfer resistance [m ² K/W]		interior R _{si} :	0.13			
		exterior R _{se} :	0.04			
Area section 1	λ [W/(mK)]	Area section 2 (optional)	λ [W/(mK)]	Area section 3 (optional)	λ [W/(mK)]	Thickness [mm]
1. Thermcrete	0.140			Timber Framing		50
2. Wall Insulation	0.040					90
3. 20mm air space	1.250					20
4.						
5.						
6.						
7.						
8.						
Percentage of sec. 1		Percentage of sec. 2		Percentage of sec. 3		Total
72%		20.0%		8.0%		16.0 cm
U-value supplement		W/(m ² K)		U-Value:		0.358 W/(m ² K)

45mm Cavity Space

--- Auxiliary calculation to the right

Assembly no.	Building assembly description					Interior insulation?
1	Thermcrete Typical Wall					no
Heat transfer resistance [m ² K/W]		interior R _{si} :	0.13			
		exterior R _{se} :	0.04			
Area section 1	λ [W/(mK)]	Area section 2 (optional)	λ [W/(mK)]	Area section 3 (optional)	λ [W/(mK)]	Thickness [mm]
1. Thermcrete	0.140			Timber Framing		50
2. Wall Insulation	0.040					90
3. 45mm air space	1.250					45
4.						
5.						
6.						
7.						
8.						
Percentage of sec. 1		Percentage of sec. 2		Percentage of sec. 3		Total
72%		20.0%		8.0%		18.5 cm
U-value supplement		W/(m ² K)		U-Value:		0.355 W/(m ² K)