

## U Value Calculation

Software: Stroma U-value Calculator - Version 0.92  
 Date Printed: 17/01/2023 16:42  
 Construction Type: Wall - 75 - 6 Inch - 75 Clad  
 Calculation Method: BS EN ISO 6946

### Wall Construction

No	Description	Main Element			Bridging Element		
		Thickness	$\lambda$	R-value	$\lambda$	R-value	Fraction
-	Internal Surface Resistance	-	-	0.13	-	-	-
1	Plaster (Lightweight)	3	0.18	0.017	-	-	-
2	Plasterboard Standard	12.5	0.21	0.06	-	-	-
3	XPS	75	0.03	2.5	-	-	-
4	Concrete	159	1.93	0.082	0.88	0.181	0.0667
5	XPS	75	0.03	2.5	-	-	-
6	Battens (25 mm)	25	-	0.18	-	-	-
7	Cladding	18	0.13	0.138	-	-	-
-	External Surface Resistance	-	-	0.04	-	-	-

$\Sigma=367.5\text{mm}$

$\Sigma=5.647$

### Resistances

Lower Limit	Upper Limit	Average
5.65	5.653	5.652 m <sup>2</sup> K/W

### Wall U-value Corrections

No Correction Values

### Wall U-value

U-value	0.177
U-value rounded	0.18 W/m <sup>2</sup> K