

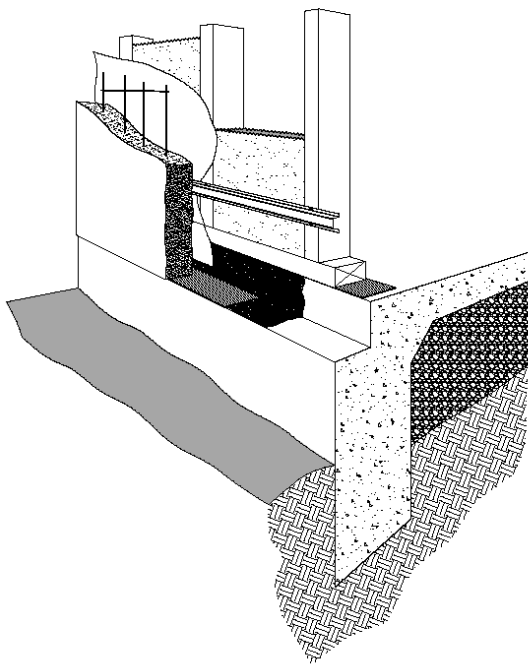


SupercreteTM

75mm Panel Cladding over 90mm Timber Frame

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Total Construction R Values for Supercrete™ 50mm Panel on 90mm Timber Frame						
Framing Layout	Timber Frame Space Insulation Material R Value					
	1.8	2.0	2.2	2.4	2.6	2.8
Studs 600, dwangs 800 - 14% wall area	2.337	2.457	2.569	2.675	2.776	2.871
Studs 600, dwangs 600 - 16% wall area	2.305	2.416	2.520	2.617	2.709	2.796
Studs 400, dwangs 800 - 18% wall area	2.273	2.371	2.473	2.563	2.647	2.726
Studs 400, dwangs 600 - 20% wall area	2.243	2.339	2.429	2.512	2.589	2.661
22% wall area	2.214	2.304	2.387	2.463	2.534	2.560
24% wall area	2.186	2.270	2.347	2.418	2.483	2.542

Note: A Batten spacing of 600mm has been taken as a convenient mean figure for the purposes of calculation. The actual spacing may not be uniform but this will not affect the Construction R Value. The difference in Cavity Construction R Value between battens spaced at 400mm and 800mm is only 0.001, therefore, the spacing of the battens is not going to have a great impact on the Construction R Value of the wall as a whole.

These figures do not take into account values for windows and doors. These can be obtained using the Window or Therm software packages.

The Insulation Material R Values given are those regarded as the normal range for residential buildings. Other values below R1.8 can be obtained from the associated graph. R2.8 is the highest practicable R Value of common insulation materials that can be used with 90mm studs.

