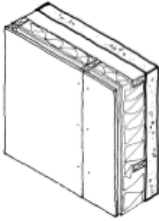


Table A2. Parametric variations of materials used for each layer of the External Wall Typology 2.

Layers of External Wall Typology 2 	Number of variations
Internal layer: Heavyweight loadbearing	4
108 mm brickwork with mortar and render/paint finish	
100 mm lightweight concrete blocks with mortar and render/paint finish	
180 mm lightweight concrete elements with steel reinforcement and paint finish	
180 mm concrete with steel reinforcement and paint finish	
Insulating layer: Insulation & framing (U-value: 0.15/0.12/0.09 W/m²K)	12 + 3
250/300/400 mm mineral wool insulation with C-post galvanised steel framing	
275/325/425 mm cellulose insulation with C-post galvanised steel framing	
250/300/400 mm mineral wool insulation with I-post timber framing	
275/325/425 mm cellulose insulation with I-post timber framing	
250/300/400 mm high density mineral wool insulation with stainless steel ties (only with 25 mm external render)	
External layer: Lightweight finish	7 + 1
25 mm pine timber cladding on timber battens on 8 mm fibre cement sheet	
25 mm larch timber cladding on timber battens on 8 mm fibre cement sheet	
10 mm fibre cement panel with finish on timber battens on 8 mm fibre cement sheet	
30 mm natural stone on galvanised steel profiles on 8 mm fibre cement sheet	
35 mm clay tile panel on galvanised steel profiles on 8 mm fibre cement sheet	
1.5 mm aluminium sheet on galvanised steel profiles on 8 mm fibre cement sheet	
1.0 mm zinc sheet on galvanised steel profiles on 8 mm fibre cement sheet	
25 mm external render (only on high density mineral wool insulation with stainless steel ties)	
Total number of parametric variations (4 x 12 x 7) + (4 x 3 x 1)	348