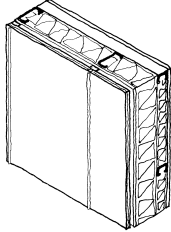


Table A3. Parametric variations of materials used for each layer of the External Wall Typology 3.

Layers of External Wall Typology 3 	Number of variations
Internal layer: Lightweight finish	1
25 mm plasterboard with paint finish	
Insulating layer: Loadbearing framing & insulation (U-value: 0.15/0.12/0.09 W/m²K)	12
C-post galvanised steel framing and cross-battens with polyethylene vapour barrier and 245/320/420 mm mineral wool insulation	
C-post galvanised steel framing and cross-battens with polyethylene vapour barrier and 270/345/445 mm cellulose insulation	
I-post timber framing and cross-battens with polyethylene vapour barrier and 245/320/420 mm mineral wool insulation	
I-post timber framing and cross-battens with polyethylene vapour barrier and 270/345/445 mm cellulose insulation	
External layer: Lightweight finish	7
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	
Total number of parametric variations (1 x 12 x 7)	84