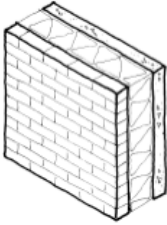


Table A1. Parametric variations of materials used for each layer of the External Wall Typology 1.

Layers of External Wall Typology 1 	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 & ties (U-value: 0.15/0.12/0.09 W/m²K)	3
250/300/400 mm mineral wool insulation with stainless steel ties	
External layer: Heavyweight finish	2
108 mm brickwork with mortar	
70 mm concrete with steel reinforcement to sandwich element	
Total number of parametric variations (4 x 3 x 2)	24