

# Thermowall



The Thermowall elements, made of expanded polystyrene (EPS), are applied as the formwork for plain or reinforced concrete walls cast in-situ. The Thermowall elements comprise of two leaves of EPS, which are connected by steel inserts to resist the pressure of the concrete during filling and vibrating. The upper and lower surfaces of the shuttering leaves are tongue and groove to place the elements together.

Size, Weight & Technical			
Thermal Conductivity (EPS)		0.030W/mK	
Density		24kg/m <sup>3</sup>	
Block Description	Size in mm (D x H x L)	U- Value	Weight
Internal Load Bearing Block	250 x 250 x 1200	-	1.85 Kg
Internal Party Wall Block	300 x 250 x 1200	-	2.10 Kg
External Standard Block	300 x 250 x 1200	0.20W/m <sup>2</sup> K	2.21 Kg
External Passive Standard Block	350 x 250 x 1200	0.15W/m <sup>2</sup> K	2.75 Kg
External Passive Gold Block	400 x 250 x 750	0.12W/m <sup>2</sup> K	2.04 Kg
External Passive Platinum Block	450 x 250 x 750	0.10W/m <sup>2</sup> K	2.25 Kg
Basement Block Standard	350 x 250 x 1200	0.20W/m <sup>2</sup> K	2.37 Kg
Basement Block Passive	400 x 250 x 1200	0.15W/m <sup>2</sup> K	2.90 Kg

### Fire Rating

External Fire Spread    Class 0

### Materials

EPS with Pressed steel Bridging

### Commercial

Typical Use    Load bearing walls for use in Domestic & Commercial Buildings. Can achieve air tightness of <math><2\text{m}^3/(\text{hr.m}^2)</math>

### Contact Us

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