

## Typical Design Loads

### Roof

Pitch = 40 degrees

Variable = 0.75 kN/m<sup>2</sup>

Permanent measured on slope

Tiles	=	0.60	kN/m <sup>2</sup>
Battens + felt	=	0.05	kN/m <sup>2</sup>
Rafters	=	0.15	kN/m <sup>2</sup>
Σ		0.80	kN/m <sup>2</sup>

Permanent measured on plan = 0.80 kN/m<sup>2</sup> / COS 40 = 1.04 kN/m<sup>2</sup>

### Ceiling

Variable = 0.25 kN/m<sup>2</sup>

Permanent,			
Ceiling Joists	=	0.10	kN/m <sup>2</sup>
Plasterboard	=	0.20	kN/m <sup>2</sup>
Σ		0.30	kN/m <sup>2</sup>

### Stud Partitions

Partitions = 0.25 kN/m<sup>2</sup> On Plan

### First Floor

Variable = 1.50 kN/m<sup>2</sup>

Permanent,			
Boards	=	0.10	kN/m <sup>2</sup>
Joists	=	0.15	kN/m <sup>2</sup>
Plasterboard	=	0.20	kN/m <sup>2</sup>
Σ		0.45	kN/m <sup>2</sup>

### Cavity Wall

100mm Block Wall	=	1.60	kN/m <sup>2</sup>
Plaster	=	0.20	kN/m <sup>2</sup>
Σ		1.80	kN/m <sup>2</sup>

102.5mm Brick = 2.00 kN/m<sup>2</sup>