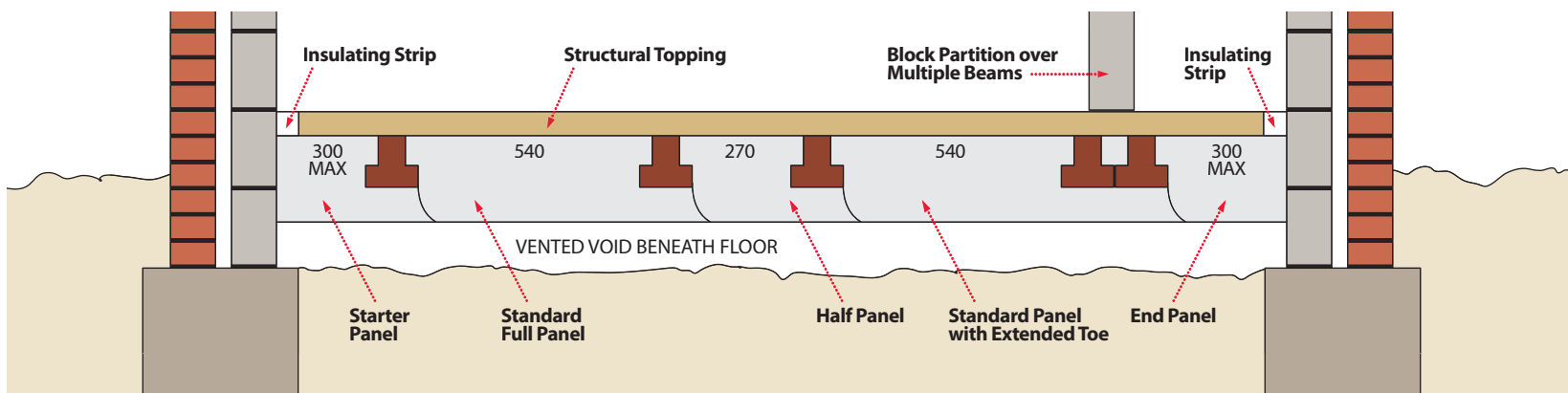


THERMAL FLOOR

- Suspended insulated ground floor for domestic use
- Stressline supplies pre-stressed concrete I beams, EPS panels, perimeter insulating strips and beam end closure blocks
- BBA certificate 13/5021
- Insulating panels are available in a variety of profiles to minimise site cutting and additional clip-on pieces
- Comprehensive range of panel depths to achieve required U value
- Lightweight panels for quick and easy site handling
- Collection and recycle of clean EPS panels service available



Perimeter/Area (p/a) examples

Detached House

5m x 8m

26/40

p/a=0.65

Semi-Detached Houses

2x (5m x 8m)

36/80

p/a=0.45

Terrace of Houses

4x (5m x 8m)

56/160

p/a=0.35

Example U values (W.m⁻².K⁻¹) - Single beams at full centres

		EPS panel thickness (other depths available)						
		T Beam (white)			T Beam Plus (grey)			
Beam depth	p/a ratio	290	350	450	260	290	350	420
150	0.4	0.14	0.11		0.14	0.12	0.10	
	0.6	0.15	0.12		0.15	0.13	0.10	
	0.7	0.15	0.12		0.15	0.13	0.10	
225	0.9	0.15	0.12		0.15	0.13	0.10	
	0.4		0.14	0.10		0.17	0.12	0.09
	0.6		0.15	0.10		0.18	0.13	0.10
	0.7		0.15	0.10		0.19	0.13	0.10

Thermal Floor Load Span Table

Beam size WxH	1.5 (kN/m ²) imposed load		Incl Stud part's 2.0 (kN/m ²)	
	Standard Panels	Half Panels	Standard Panels	Half Panels
105x150	3,700	4,400	3,600	4,400
125x150	4,500	5,200	4,400	5,200
165x150	5,100	6,400	5,000	6,100
125x225	6,800	8,000	6,500	8,000

Maximum clear spans in metres. Allows for 75mm structural topping.

For further information on any of the Stressline product range and services, please contact

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