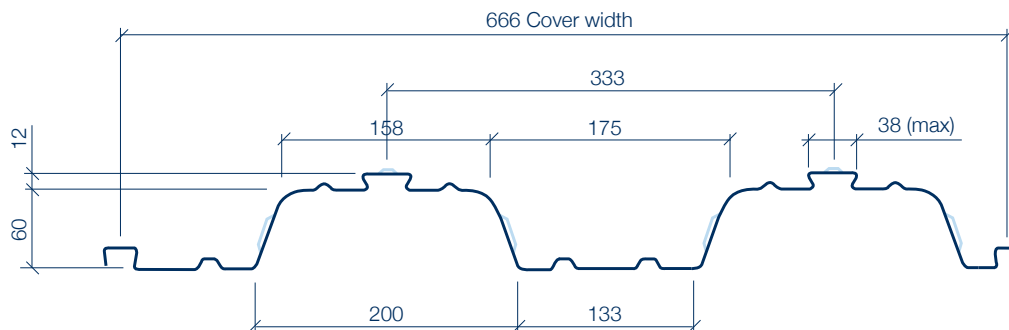


## New TR60 $\nabla$ profile for 2010

### TR60 $\nabla$ Data Sheet



- Un-propped spans in excess of 3.5m achievable
- Reduced concrete volume
- Enhanced speed of installation due to the 666mm cover width
- Fire Rating up to 4.0hrs
- Soffit 'Wedge Nut' fixings available with load capacity of up to 1kN
- Acoustic Robust Solution – Refer 'Robust Standard Details'

### TR60 $\nabla$ Section Properties

Nominal Thickness mm	Design Thickness (Bare Steel) mm	Available Grades N/mm <sup>2</sup>	Depth of Profile mm	Weight of Profile		Height of Neutral Axis mm	Area of Steel mm <sup>2</sup> /m
				kg/m <sup>2</sup>	kN/m <sup>2</sup>		
0.9	0.86	S350 or S450	60 / 72*	10.06	0.099	33.6	1225
1.0	0.96	S350 or S450	60 / 72*	11.15	0.110	33.6	1363
1.2	1.16	S350 or S450	60 / 72*	13.36	0.131	33.7	1645

Note: Figures against depth of profile indicate the nominal depth, with overall depth (including height of re-entrant) marked \*.

### Concrete Volume and Weight

Slab Depth mm	Volume of Concrete m <sup>3</sup> /m <sup>2</sup>	Weight of Concrete (Normal Weight)		Weight of Concrete (Lightweight)	
		Wet (kN/m <sup>2</sup> )	Dry (kN/m <sup>2</sup> )	Wet (kN/m <sup>2</sup> )	Dry (kN/m <sup>2</sup> )
120	0.086	2.03	1.99	1.61	1.52
130	0.096	2.26	2.22	1.79	1.70
140	0.106	2.50	2.45	1.98	1.88
150	0.116	2.74	2.68	2.17	2.05
175	0.141	3.33	3.26	2.63	2.49
200	0.166	3.92	3.83	3.10	2.94
225	0.191	4.51	4.41	3.57	3.38
250	0.216	5.10	4.99	4.03	3.82

#### Deflection

This table is based on concrete poured to a constant thickness and does not take account for deflection of the decking or supporting beams. (as a guide, to account for the deflection of the decking a concrete volume of span/250 should be added to the figures indicated in the table)

#### Concrete Weight

These tables indicate concrete weight only and do not include the weight of decking or reinforcement.

Concrete weights are based on the concrete densities specified in BS5950 Part 4 clause 3.3.3

as follows:

Normal Weight Concrete - 2400kg/m<sup>3</sup> (wet) and 2350 kg/m<sup>3</sup> (dry).

Lightweight Concrete - 1900kg/m<sup>3</sup> (wet) and 1800 kg/m<sup>3</sup> (dry).