

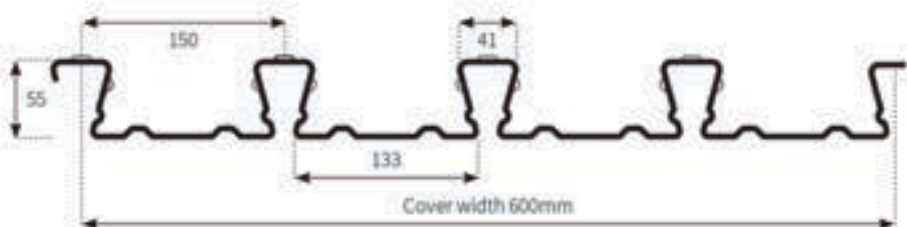


MetFloor® 55

SHALLOW COMPOSITE DECKING PROFILE

The ultimate in lightweight steel decking for all multi-rise buildings

Its profile provides an excellent mechanical key into the concrete slab, offering a strong shear bond performance augmented by stiffeners located in the profile trough. MetFloor® 55 presents a virtually flat soffit and only a relatively thin slab is required to meet fire design requirements.



- Available in 0.9mm, 1.0mm and 1.2mm gauges
- Unpropped decking spans in excess of 3.5m can be achieved
- Thermally efficient profile, reducing heat transfer and improving fire ratings
- Up to two hour fire protection provided to top flange of composite beams

- Regular and simple connections for use with wedge nuts for suspended services
- Wide trough widths enabling flexible and efficient shear stud placement
- Available coated with a variety of metallic or organic coatings for various applications

Nominal thickness (mm)	Steel Grades (N/mm ²)	Profile depth (mm)	Height of neutral axis (mm)	Profile area (mm ²)	Profile weight (kN/m ²)
0.9	S350 / S450	55	18	1648	0.13
1.0	S350 / S450	55	18	1840	0.15
1.2	S350 / S450	55	18	2223	0.18

METFLOOR 55 COMPOSITE SLAB - VOLUME & WEIGHT			
Slab depth (mm)	Concrete volume (m ³ /m ²)	Weight of concrete (kN/m ²)	
		Wet	Dry
105	0.096	2.26	2.21
110	0.101	2.38	2.33
115	0.106	2.50	2.44
120	0.111	2.61	2.56
125	0.116	2.73	2.67
130	0.121	2.85	2.79
150	0.141	3.32	3.25
200	0.191	4.50	4.40