



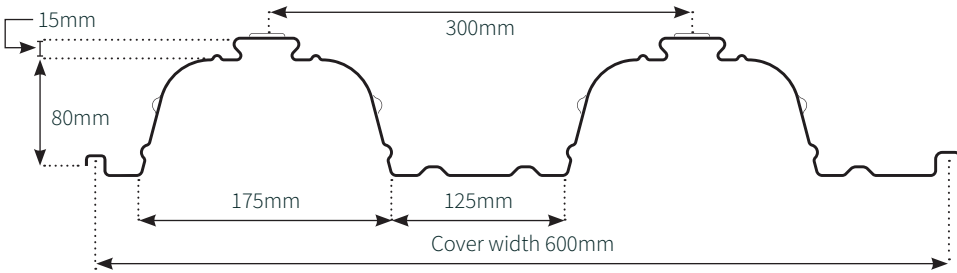
Construction  
Metal Forming

# MetFloor® 80

## TRAPEZOIDAL COMPOSITE DECKING PROFILE

The ultimate in lightweight steel decking with superior span capabilities

MetFloor® 80 has exceptional spanning capabilities and reduced concrete usage. The result – a highly cost-effective, attractive, and easy-to-install floor solution. This highly developed product has been created with over 30 years experience in the composite metal flooring market.



- Available in 0.9mm, 1.0mm and 1.2mm gauges
- Greatest spanning capability within the CMF MetFloor decking range
- Optimised composite action from enhanced profile with trough ribs and shear keys
- Unropped decking spans in excess of 5.0m can be achieved
- Complete fire design available from MetFloor software for ratings up to 2 hours

- Available with crushed ends, improving both fire and acoustic performances
- Ideal for multi-rise construction & in particular car park structures, maximising column spacing for increased capacity, combined with speed of installation. Also available with alternative coatings for enhanced protection in exposed environments

Nominal thickness (mm)	Steel Grades (N/mm <sup>2</sup> )	Profile depth (mm)	Height of neutral axis (mm)	Profile area (mm <sup>2</sup> )	Profile weight (kN/m <sup>2</sup> )
0.9	S350 / S450	80	45.8	1359	0.120
1.0	S350 / S450	80	45.8	1517	0.135
1.2	S350 / S450	80	45.8	1833	0.150

METFLOOR 80 COMPOSITE SLAB – VOLUME & WEIGHT			
Slab depth (mm)	Concrete volume (m <sup>3</sup> /m <sup>2</sup> )	Weight of concrete (kN/m <sup>2</sup> ) Normal weight of concrete	
		Wet	Dry
140	0.096	2.28	2.24
150	0.106	2.52	2.47
160	0.116	2.75	2.7
170	0.126	2.99	2.93
180	0.136	3.23	3.16
190	0.146	3.46	3.39
200	0.156	3.69	3.62
250	0.206	4.87	4.77

For further information please contact CMF:

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Construction Metal Forming

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