

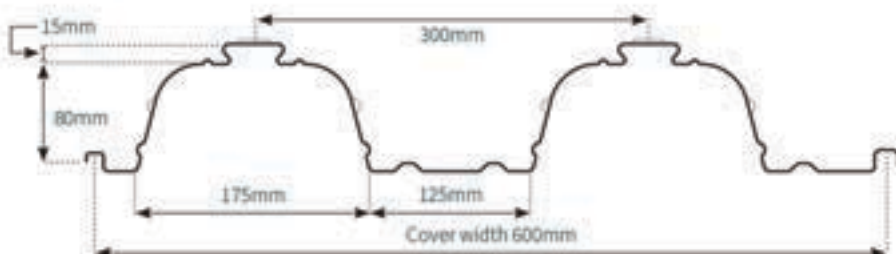


MetFloor® 80

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
- Unpropped 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 ²) | Profile depth (mm) | Height of neutral axis (mm) | Profile area (mm ²) | Profile weight (kg/m ²) |
|------------------------|-----------------------------------|--------------------|-----------------------------|---------------------------------|-------------------------------------|
| 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 ³ /m ²) | Weight of concrete (kN/m ²) | |
| | | 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 |