

# MetFloor® 55

Shallow composite profile



**MetFloor® 55 is a traditional dovetail re-entrant composite floor deck.**

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 a relatively thin slab is required to meet fire design requirements.

- **Shear studs**

MetFloor® 55 has a wide trough which gives you great flexibility and efficiency when placing shear studs.

- **Composite beams' fire performance**

Even for two hours fire rating, the top flange of the steel beam does not require fire protection when used with MetFloor® 55 composite deck.

- **Under floor services**

Services are easy to attach to MetFloor® 55, with the ribs presenting a dovetailed recessed groove in the concrete slab at 150mm centres. This provides the perfect connection for service hangers via a wedge nut or similar device.

- **Slab's fire performance**

Because the dovetail has a very small opening very little heat is transferred through the slab if there is a fire. So when you design for fire purposes you will need a smaller slab depth.

