

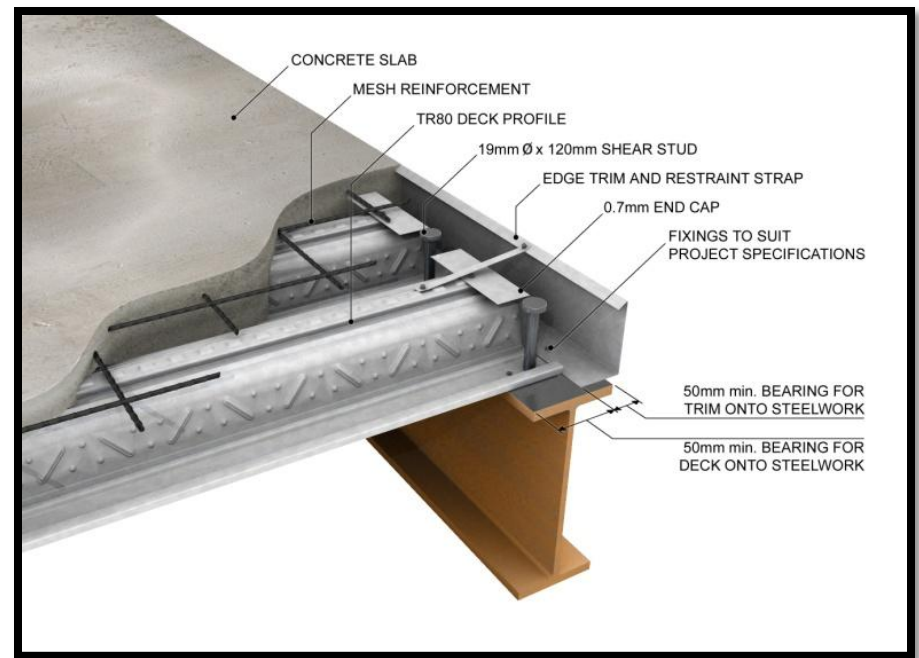
Composite Metal Decking



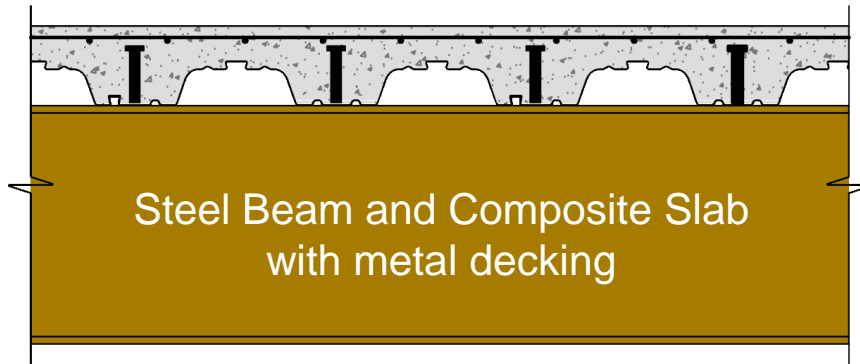
What is Composite Metal Decking ?

Composite metal deck is profiled steel sheeting that is used in conjunction with in-situ concrete and relatively light reinforcement to provide a structurally effective and economical floor solution.

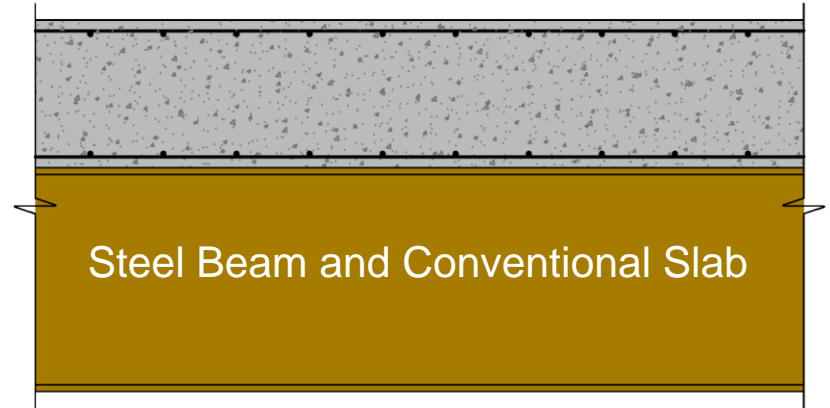
- Permanent Formwork
- Embossments that create bond with concrete
- Provides tensile reinforcement within the slab



Composite Metal Deck



v Concrete Flat Slab



(based on 130mm deep composite metal deck slab / 300mm deep flat RC slab)

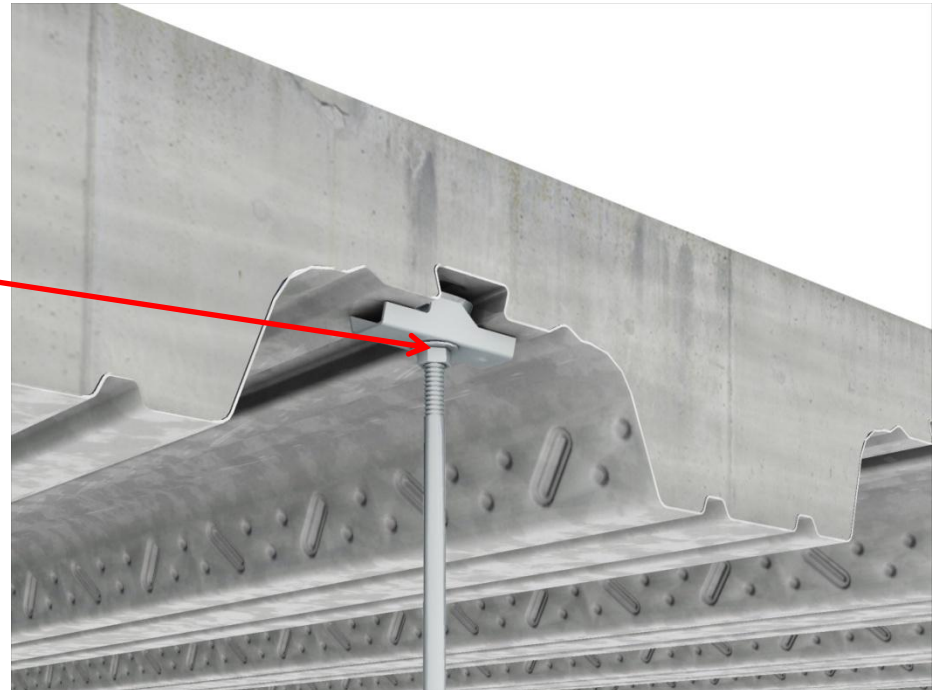
- **Foundation Savings**
- **Reduced Steel Weight**
- **Reduced Concrete Volume – up to 30%**
- **Less Reinforcement – up to 50%**

Technical Benefits

- Excellent Load Carrying Capacity
- Fire Resistant with minimal reinforcement
- Structural Stability
- Good Acoustic Performance
- Durable coating for moderate exposure
- Integral Service Fixing.....

Service Fixings

Our profiles offer the opportunity to utilise soffit fixings for services, ceiling etc, to suit drop rod thread sizes of 6mm, 8mm and 10mm. These wedge type fixings have a safe working load of 1.0kN per fixing.



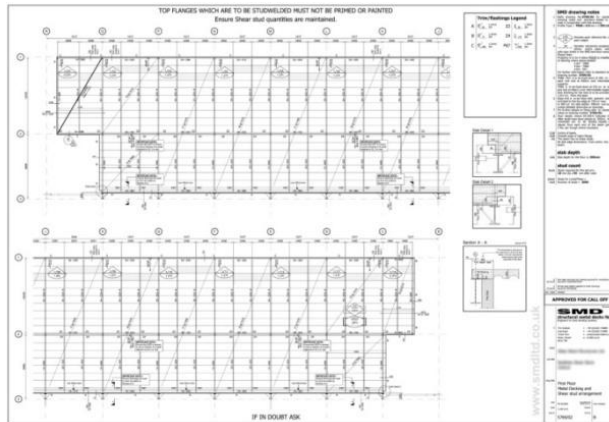
Applications – Where is it used?

- Commercial Office Buildings
- Industrial Buildings and Warehouses
- Leisure Buildings
- Shopping Mall
- Airports
- Sports Stadia

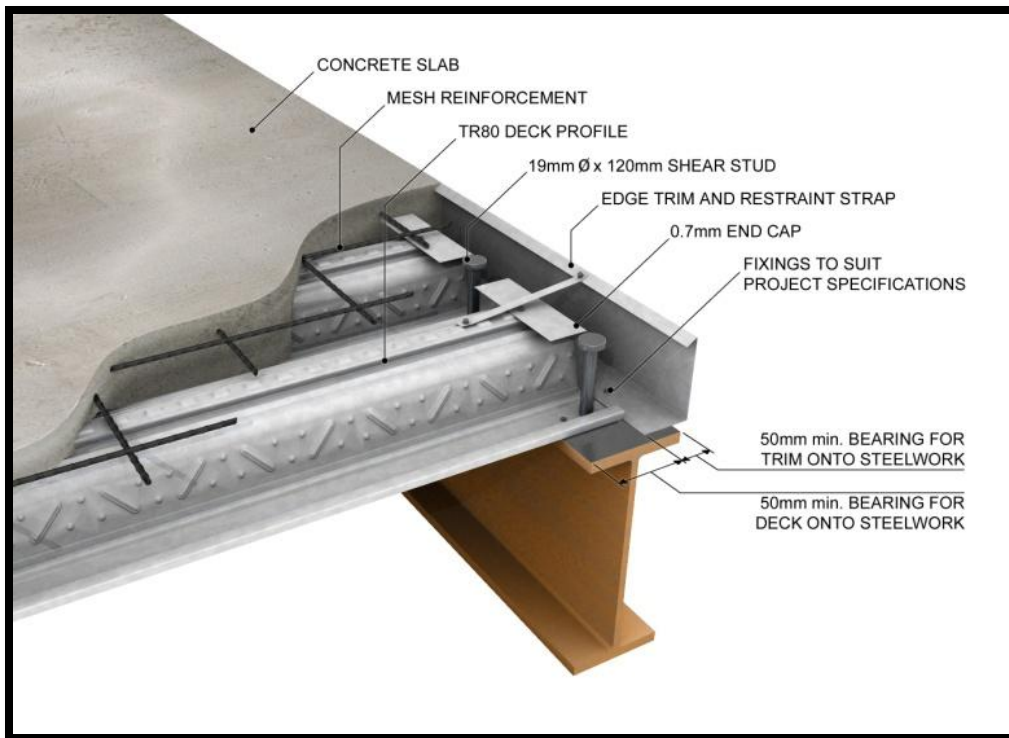
Previously Completed Projects

Terminal 5 – London, UK	300,000 m ²
Dubai Snow Centre – Dubai, UAE	6,000 m ²
Wimbledon Centre Court – London, UK	7,000 m ²
American Hospital Expansion – Dubai, UAE	20,000 m ²
Broadmead Retail Park – Bristol, UK	80,000 m ²
O2 Arena – London, UK	22,000 m ²
Oval Cricket Ground – London, UK	7,000 m ²

Our Services



The Profiles



TR60+

- 666mm Cover Width
- 0.9mm, 1.0mm & 1.2mm gauges
- S350 or S450 grade steel
- Spanning Capabilities up to 3.9m
- Up to 4 hour fire rating achievable

TR80+

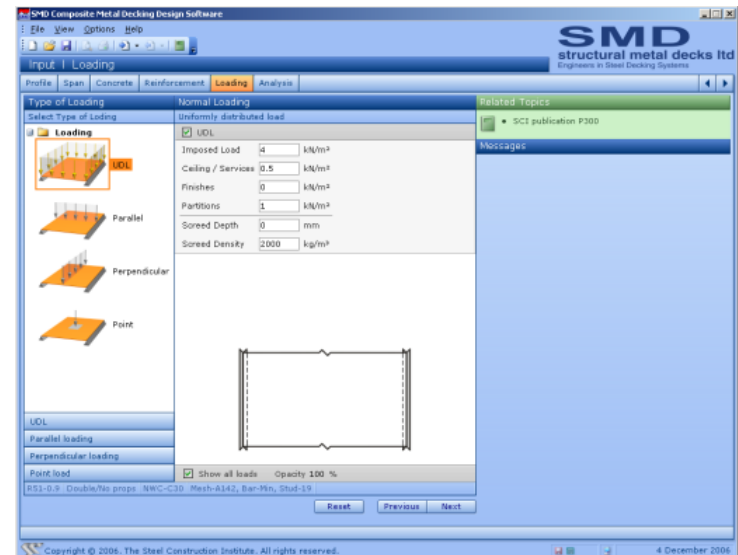
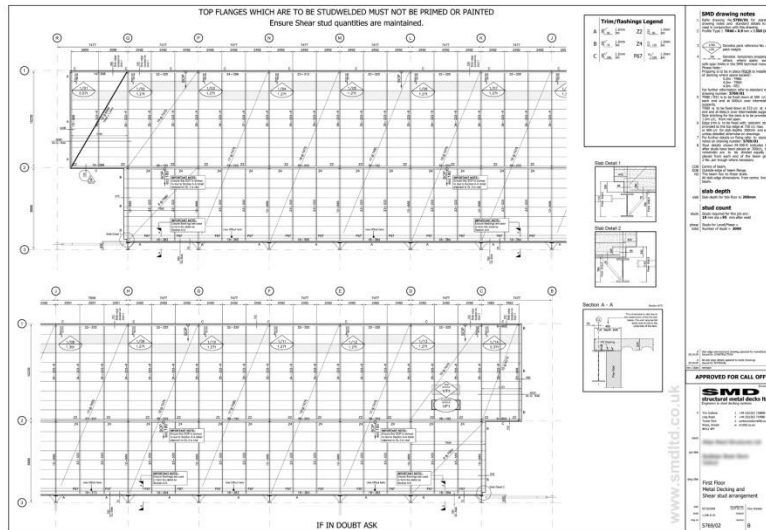
- 600mm Cover Width
- 0.9mm, 1.0mm & 1.2mm gauges
- S350 or S450 grade steel
- Spanning Capabilities up to 4.8m
- Up to 4 hour fire rating achievable

Design and Detailing

Experienced Technical Department on hand to deal with all technical queries.

AutoCAD and Tekla detailing of all products and accessories.

Fully integrated bespoke design software (developed by The Steel Construction Institute), freely available for Engineers / Architects to carry out design checks using our products.



Manufacture

Our new production plant will utilise modern, computerised facilities to manufacture our range of quality composite metal decking profiles.

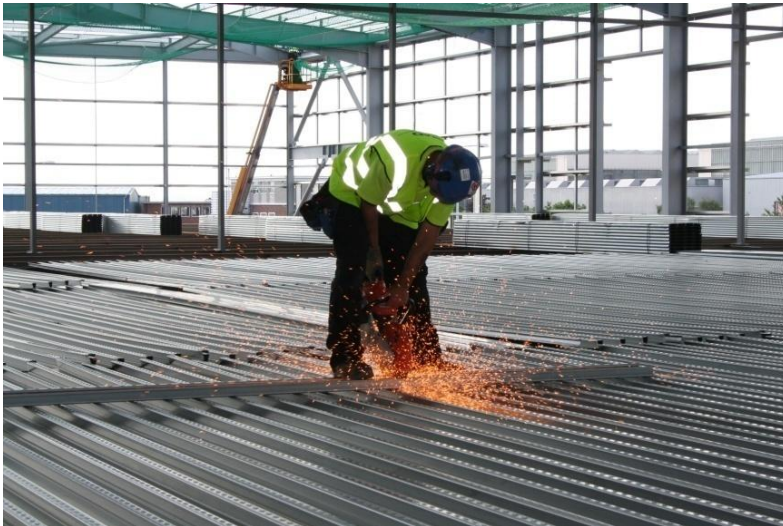
The machine allows high speed production, ensuring we deliver on time at competitive rates.



Installation

Utilising over 25 years of experience gained in the UK market.

We will offer a full onsite installation package for our clients, this will include the installation of the decking and edge trims, including thru-deck welded shear connectors.



Thanks for Listening...

