

Steel Floor & Roof Deck

Composite floor deck and roof deck to SDI profiles

Profiled steel deck for composite floors and for roofs, roll formed from galvanised sheet in the depths and panel widths the North American deck standards are written around. Deck is cut to order and, where the profile allows, laid without shoring.

Profiles

Application	Depth	Panel width	Common gauges
Composite floor deck	1.5 in. (38 mm)	36 in. (914 mm)	20 / 18 / 16 ga
Composite floor deck	2 in. (51 mm)	36 in. (914 mm)	20 / 18 / 16 ga
Composite floor deck	3 in. (76 mm)	36 in. (914 mm)	20 / 18 / 16 ga
Roof deck (wide rib)	1.5 in. (38 mm)	36 in. (914 mm)	22 / 20 / 18 ga
Deep rib roof deck (Type N)	3 in. (76 mm)	36 in. (914 mm)	20 / 18 / 16 ga

Material

Steel	Grade 50 (345 MPa) typical for composite deck; confirm for your project
Coating	G90 galvanised typical (ASTM A653)
Panel length	Cut to order
Shoring	Profiles and spans that do not require shoring are available — span tables decide

Depth, panel width and gauge decide the span; the span table for the profile is what a structural engineer checks. Ask us for the profile you are working to and we will confirm the deck.

Standards referenced

ANSI/SDI RD-2017 (steel roof deck) · SDI NC-2010 (non-composite steel floor deck) · ANSI/SDI C-2017 (composite steel floor deck) · SDI Code of Standard Practice · ASTM A653 (steel sheet, zinc-coated) · ASTM A1008 / A1011 · AISI S100 (cold-formed steel design)

Need a quote? Tell us the deck type, depth, gauge and total area or tonnage.

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