



WHAT ARE WALKWAY PLANKS?

Steel Walkway Planks are safe working platforms used in scaffolding systems for construction and industrial access. The deck sheet is manufactured from IS 277:1951 pre-galvanised steel with hooks in IS 2062 Grade E250, and anti-slip perforated surfaces provide excellent grip, durability and corrosion resistance.

Compatible with Ringlock, Cuplock, Tube-and-Coupler and Frame Scaffolding systems. Manufactured to IS 3696, IS 4014, IS 816 and EN ISO 1461.

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WHY STEEL WALKWAY PLANKS ARE BETTER THAN TRADITIONAL WOODEN PLANKS

Steel walkway planks offer superior safety, anti-slip performance, corrosion resistance and longer service life than wooden planks. They do not warp, crack or absorb moisture and are ideal for industrial environments.

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Steel Grade (Deck Sheet)	IS 277:1951
Steel Grade (Hooks)	IS 2062 E250
Deck Thickness	14/16 Gauge — 2 mm / 1.6 mm
Board Width	300 / 280 / 240 mm
Board Lengths	1250 / 2000 / 2500 / 3000 mm · Custom on request
Rib Profile / Height	2-fold / 3-fold · 38 mm standard, with 42 / 45 / 50 mm options
Anti-Skid Dimple Density	246.11 dimples / m ² · 65 mm × 50 mm spacing (Antiskid Dimple Plate)
Galvanising	Min 45 µm zinc · Pre Galvanised · EN ISO 1461
Welding	U-section stiffeners, MIG/MAG fillet-welded per IS 816 · aluminium-rich paint touch-up on welds
Stiffener Spacing	500 mm c/c transverse · Longitudinal added when width > 400 mm
Live Load Design Basis	250 kg/m ² UDL or 100–150 kg point load, whichever governs
Deflection Limit	Span / 60 service load · capped at 10–15 mm overall (IS 3696–1987)
Max Plank Gap	25 mm
Overhang	50 mm min / 150 mm max
Service Life	8–15 years outdoor / industrial
Compatible Systems	Tube-and-Coupler · Cuplock · Frame Scaffold · Ringlock

ANTISKID SURFACE OPTIONS

SURFACE TYPE	AVAILABILITY	DECK TYPE	DRAINAGE	BEST FOR
Antiskid Dimple Plate Hemispherical cold-pressed dimples with round perforations · 246.11 dimples/m² · 65 × 50 mm spacing	STANDARD	Perforated	Omnidirectional	General scaffolding platforms, construction sites
Diamond Checker Plate Diamond-pattern embossed anti-slip surface	ON REQUEST	Solid	Longitudinal & transverse	Stair towers, access walkways, high-traffic areas
Checker Plate Parallel raised ribs with linear drainage channels	ON REQUEST	Solid	Directional (channel)	Oil & gas plants, food-processing walkways

All types available in widths 240 / 280 / 300 mm and lengths 1250 / 2000 / 2500 / 3000 mm. Custom lengths on request.

AVAILABLE WALKWAY PLANKS

LENGTH	WIDTH	HEIGHT (RIB)	EDGE TREATMENT
3000 mm	300 / 280 / 240 mm	38 mm (Standard) / 42 / 45 / 50 mm	Double/Triple Bent Edges, Fully Welded Corners
2500 mm	300 / 280 / 240 mm	38 mm (Standard) / 42 / 45 / 50 mm	Double/Triple Bent Edges, Fully Welded Corners
2000 mm	300 / 280 / 240 mm	38 mm (Standard) / 42 / 45 / 50 mm	Double/Triple Bent Edges, Fully Welded Corners
1250 mm	300 / 280 / 240 mm	38 mm (Standard) / 42 / 45 / 50 mm	Double/Triple Bent Edges, Fully Welded Corners

Deck thickness (all lengths): 14/16 Gauge — 2 mm / 1.6 mm. ★ Custom lengths available on request.

FACTORS TO CONSIDER BEFORE BUYING WALKWAY PLANKS

01. SURFACE GRIP

Choose anti-slip perforated surfaces for safe footing in all weather conditions. Antiskid Dimple Plate is the standard choice for most scaffolding applications.

02. LOAD CAPACITY

Select planks with adequate safe working load for your platform. All Prime Steeltech planks are checked for bending stress, shear at supports and deflection against a design basis of 250 kg/m² UDL or 100–150 kg point load (whichever governs), with deflection capped at Span/60.

03. CORROSION RESISTANCE

Hot-dip galvanised planks with min 45 µm zinc coating ensure 8–15 years outdoor service life. Welded stiffener joints receive an aluminium-rich paint touch-up to protect the heat-affected zone. Critical for coastal, chemical and industrial environments.

04. COMPLIANCE

Choose planks complying with IS 3696, IS 4014, IS 816 and EN ISO 1461. All Prime Steeltech walkway planks use IS 277:1951 deck sheet and IS 2062 E250 hooks, with MIG/MAG welding per IS 816.



**PRIME
STEELTECH**
INDIA PVT LTD

Manufacturing high-quality Ringlock scaffolding, Cuplock scaffolding, anti-skid walkway planks, and safe staircase towers for India's construction industry



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