TITAN

Heavyweight Performance Rubber Tile

PRODUCT DESCRIPTION

Superstrata Titan is a heavy-duty rubber flooring tile engineered for maximum impact protection in free weight zones, Olympic lifting platforms, and high-intensity strength areas. Manufactured from high-density recycled SBR rubber (100% SBR or 85% SBR / 15% coloured EPDM), the tile features a proprietary studded underside that absorbs impact, reduces vibration, and provides certified acoustic isolation of 24dB at 30mm thickness. Installation is adhesive-free via a hidden polypropylene connector system, allowing tiles to be lifted and relaid without damage to the subfloor.

TECHNICAL SPECIFICATIONS

Property	Value	Test Standard
Material Composition	100% SBR (Pure Black) or 85% SBR / 15% EPDM	—
Tile Dimensions	500 × 1,000 mm	—
Thickness Options	30mm, 40mm	—
Bulk Density — Top Layer	Approx. 1,050 kg/m³	—
Bulk Density — Sub Layer	Approx. 1,000 kg/m³	—
Approximate Weight	12 kg (30mm) · 16 kg (40mm)	—
Dimensional Tolerance	+/- 1.5%	—
Sound Insulation	24 dB reduction (30mm)	NBN EN ISO 17025
Shock Absorption	61%	EN 14808
Vertical Deformation	5 mm	EN 14809
HIC Test (Head Injury)	1.3 m at 50mm thickness	EN 1177
EU Fire Classification	Efl	EN 13501-1
Slip Resistance	Dry slip resistance	—
Thermal Resistance	0.16 m².K/W	—
Abrasion Resistance	<560	EN ISO 5470-1
Hardness	55-75 Shore A	ISO 868
Antistatic	Yes	—
Pentachlorophenol Compliance	Yes	—
Installation Method	Free-floating connector system (no adhesive)	—
Warranty	10 years	·

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AVAILABLE FINISHES & DIMENSIONS

Pure Black (100% SBR): 30mm and 40mm · 500 × 1,000 mm
15% EPDM variants (30mm): Light Grey, Dark Grey
15% EPDM variants (40mm): Light Grey, Red, Orange
Edge finishing: stainless steel or aluminium profile. Matching ramps and L-shaped / sectorial corners available in all thicknesses.

RECOMMENDED APPLICATIONS

Free weight zones · Olympic lifting platforms · Powerlifting areas · CrossFit rig zones · Sled push tracks · Commercial gym strength floors · Military and MOD fitness facilities · Hotel and hospitality fitness suites requiring subfloor protection.

NBS SPECIFICATION CLAUSE

Clause Reference: M50 / 110 — Rubber Flooring Tile, Heavy Duty

Supply and install Superstrata Titan rubber flooring tiles to the areas indicated on drawings. Tiles to be 500 × 1,000 mm, 30mm or 40mm thickness as specified, manufactured from high-density SBR rubber with optional 15% EPDM coloured top layer. Bulk density of top layer: approx. 1,050 kg/m³. Shock absorption: 61% (EN 14808). Impact sound reduction: 24dB at 30mm (NBN EN ISO 17025). Fire classification: Efl (EN 13501-1). Install using manufacturer's proprietary polypropylene connector system without adhesive. Finish edges with aluminium or stainless steel profile as specified. Provide 10-year manufacturer's warranty on completion. Manufacturer: Superstrata Performance Flooring, www.superstrata.fit

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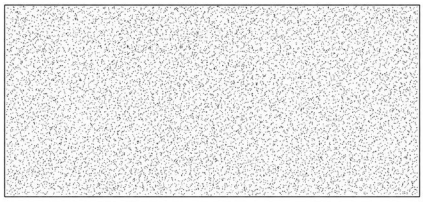
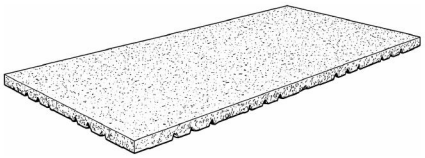
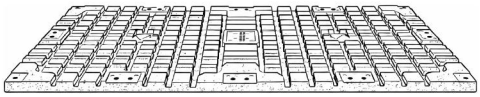
Titan Interlocking Gym Tile

Technical Drawing Set







- Product: Titan interlocking gym tile with connector pieces
- Nominal plan size: 1000 x 500 mm
- Thickness options shown: 30 mm and 40 mm
- Drawing sheets include front, side and back elevations with detail views
- All dimensions are shown in millimetres

TITAN INTERLOCKING GYM TILE			
Drawing	Date	Scale	Sheet
Drawing Set Cover	mm 2026-04-17	NTS	S0

TITAN

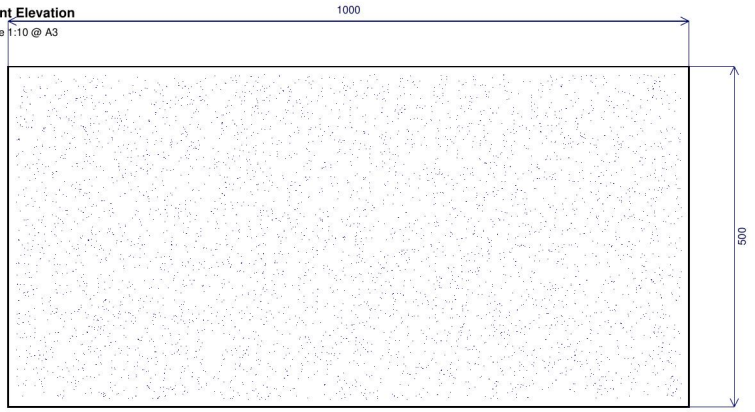
Heavyweight Performance Rubber Tile

Sheet S1 — Front Face

Technical Drawing Set

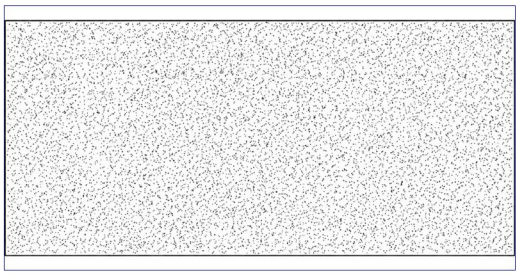
Front Elevation

Scale 1:10 @ A3

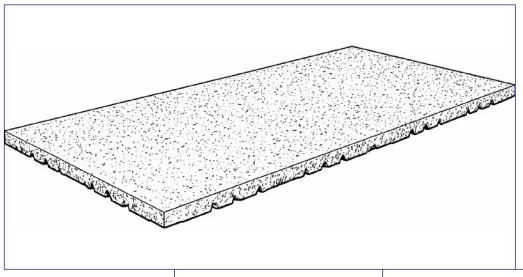


Nominal tile face, shown without connectors

Detail A — View 1



Detail B — View 2



Notes: All dimensions in mm. Printed scale valid only when output at full size on A3.

TITAN INTERLOCKING GYM TILE			
Drawing	Date	Scale	Sheet
Front of Tile 1000 x 500	mm 2026-04-17	1:10	S1

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Heavyweight Performance Rubber Tile

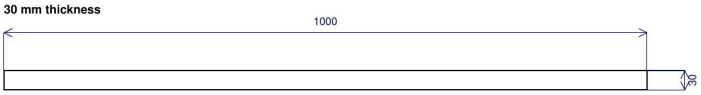
Sheet S2 — Side Profiles

Technical Drawing Set

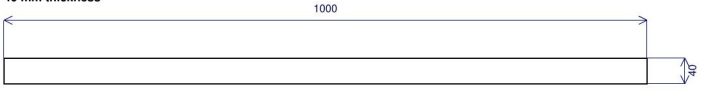
Side Elevations

Thickness options shown at enlarged scale for clarity

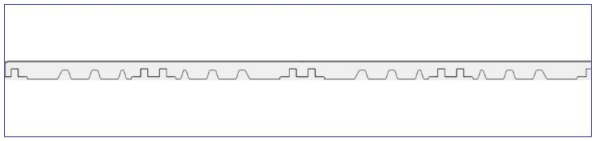
30 mm thickness



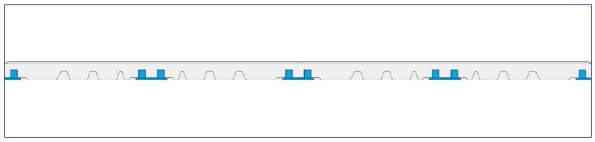
40 mm thickness



Detail C — View 3



Detail D — View 4



Profiles shown to nominal section thickness. Connector edge details presented at right.

TITAN INTERLOCKING GYM TILE			
Drawing	Date	Scale	Sheet
Side of Tile 30 mm / 40 mm	mm 2026-04-17	1:5	S2

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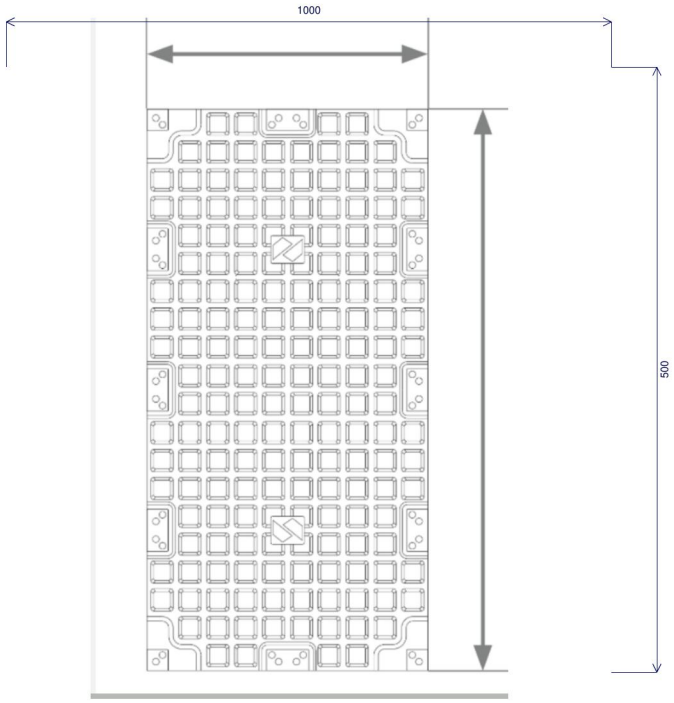
Sheet S3 — Back Face

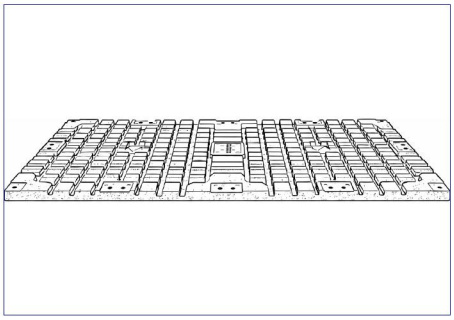
Technical Drawing Set

Back Elevation

Replicated base pattern, scaled to nominal tile size



Detail E — View 5



Notes: Back face drawing shows connector-base geometry and overall tile footprint.

TITAN INTERLOCKING GYM TILE			
Drawing	Date	Scale	Sheet
Back of Tile 1000 x 500	mm 2026-04-17	1:10	S3