

# SHIELD

Acoustic Isolation Underlay

## PRODUCT DESCRIPTION

Superstrata Shield is a composite foam acoustic underlay engineered to dramatically reduce impact sound transmission and structural vibration in commercial fitness environments. When installed as a complete system beneath Superstrata Pulse 20mm tiles, the combined assembly achieves a certified 28dB impact sound reduction — an increase of 7dB over the tile alone. Shield is the specification solution for upper-storey gyms, mixed-use developments, and any project where acoustic performance is a planning or building control requirement.

## TECHNICAL SPECIFICATIONS

Property	Value	Test Standard
Material Composition	Composite foam	—
Format	Roll (2m wide)	—
Thickness Options	10mm, 20mm	—
Sound Insulation (System)	28 dB reduction (20mm tile + 20mm Shield)	NBN EN ISO 17025
Sound Insulation (Tile only)	21 dB reduction (20mm Pulse tile alone)	NBN EN ISO 17025
Installation Method	Loose lay beneath primary floor covering	—
Warranty	5 years	—

## AVAILABLE FINISHES & DIMENSIONS

**Standard:** Composite foam (concealed beneath primary floor covering).

Roll width: 2m. Available in 10mm and 20mm thickness.

## RECOMMENDED APPLICATIONS

Upper-storey gym installations · Mixed-use developments with residential below · Hotel fitness suites · Any installation where acoustic performance is a planning condition · Refurbishment of existing gym floors requiring upgraded sound isolation.

## NBS SPECIFICATION CLAUSE

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## Clause Reference: M50 / 120 — Acoustic Underlay, Composite Foam

Supply and install Superstrata Shield composite foam acoustic underlay to the areas indicated on drawings. Underlay to be 2m-wide roll, 20mm thickness, installed loose-laid beneath Superstrata Pulse 20mm rubber tiles. Complete system to achieve minimum 28dB impact sound reduction (NBN EN ISO 17025). Provide 5-year manufacturer's warranty on completion. Manufacturer: Superstrata Performance Flooring, [www.superstrata.fit](http://www.superstrata.fit)