

TECHNICAL DATA SHEET

MCW Impact C3

SLIMLINE RECYCLED ACOUSTIC UNDERLAY



MCW Impact C3 is a 3mm resilient underlay designed to limit the transfer of impact noise through concrete floors. Its dense yet flexible construction helps isolate the finished floor from the supporting structure, reducing the sound generated by footsteps and everyday movement.

Made from a blend of recycled rubber and cork, MCW Impact C3 delivers acoustic performance without creating excessive floor height. Its durable composition retains its resilience under regular use and concentrated furniture loads.

Key Benefits

- Only 3mm thick, making it ideal where floor height is restricted
- Reduces impact noise by up to ΔL_w 18 dB in tested constructions
- Suitable for a variety of decorative floor finishes
- Compatible with underfloor heating
- Approved Document E in England and Wales

Technical details

Roll Dimensions	1m x 20m
Roll Thickness	3mm
Roll Weight	34kg
Composition	Rubber & cork
Density	570kg/m ³
ΔL_w	18dB

Typical Flooring Build-ups



Concrete Slab/ LVT Finish

1. LVT
2. Floor Adhesive
3. MCW Impact C3
4. Approved underlay adhesive
5. DPM (if required)
6. Concrete Slab (SR1)

Acoustic Performance	
DnT,w + Ctr	51dB
LnT,W	49dB

Concrete Slab/ Tile Finish

1. 10mm Ceramic Tiles
2. Approved tile adhesive
3. MCW Impact C3
4. Approved underlay adhesive
5. DPM (if required)
6. 220mm Concrete Slab + 80mm Screed (SR1)

Acoustic Performance	
Ln,R,W	54dB
ΔL_w	18dB

