

TECHNICAL DATA SHEET

MCW Impact R3

3MM HIGH-LOAD ACOUSTIC LAYER FOR FLOATING SCREED



MCW R3 is a high-density acoustic layer designed to reduce impact sound transmission beneath screed beds and other floating floor constructions.

Manufactured from recycled rubber granules, its resilient composition separates the floating floor from the structural slab, helping to limit the transfer of impact energy through the building.

MCW R3 provides high compressive strength and low deformation under load. It is suitable for residential and commercial projects beneath cement screeds, anhydrite screeds and other compatible floating floor systems.

MCW R3 achieved impact sound improvements of up to ΔL_w 20 dB within tested screed and concrete floor constructions.

Key Benefits

- Impact sound improvement of ΔL_w 18 dB
- Suitable for residential and commercial applications
- Manufactured from recycled rubber granules
- Supplied in convenient rolls for efficient installation

Technical details

Roll Dimensions	1m x 20m
Roll Thickness	3
Roll Weight	44kg
Composition	Bonded recycled rubber
Density	700kg/m ³

Typical Flooring Build-ups



Concrete Slab/ LVT Finish

1. Selected Floor Finish
2. 60mm cement screed
3. Polyethylene Sheet
4. 3mm MCW Impact R3
5. Perimeter isolation strip
6. 140mm concrete slab

Acoustic Performance

ΔL_w	18dB
--------------	-------------

MCW R3 Underlay

MCW R3 can also be installed as a bonded acoustic underlay beneath engineered timber and ceramic tile finishes. Its 3mm recycled-rubber construction reduces impact sound while adding minimal height to the floor build-up.

- Suitable for engineered timber and tiled floors
- Resistant to compression, ageing and deformation
- Meets Approved Document E in suitable constructions

Typical Build-Up

1. Selected Floor finish*
2. Approved flooring adhesive
3. 3mm MCW R3 acoustic underlay
4. Approved flooring adhesive
5. Moisture barrier, where required
6. Prepared concrete slab



Acoustic Performance

ΔL_w	18dB
--------------	-------------

**Some floor finishes may require additional treatment, speak to our team to discuss this.*