

TECHNICAL DATA SHEET

MCW Impact R5

5MM HIGH-LOAD ACOUSTIC LAYER FOR FLOATING SCREED



MCW Impact R5 is a 5mm high-density acoustic layer developed to reduce impact sound transmission beneath screeds and other floating floor constructions.

Made from PUR-bonded recycled rubber granules, the resilient layer separates the floating floor from the structural slab and helps limit the transfer of footfall energy through the building.

In a representative tested construction, the equivalent 5mm material achieved an impact sound improvement of up to ΔL_w 21 dB.

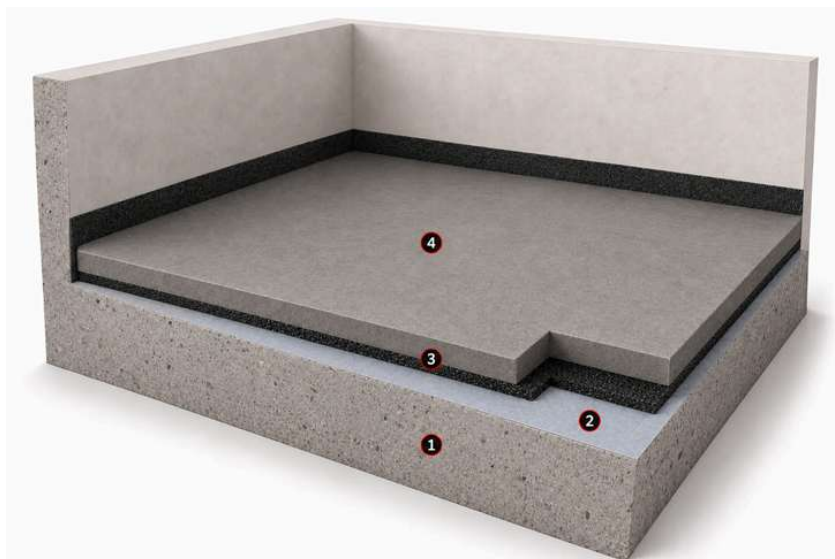
Key Benefits

- Impact sound improvement of up to ΔL_w 21 dB in a tested assembly
- Manufactured from PUR-bonded recycled rubber granules
- Suitable for use with underfloor heating
- Supplied in convenient rolls for efficient installation

Technical details

Roll Dimensions	1m x 12.5m
Roll Thickness	5mm
Roll Weight	46kg
Composition	Bonded recycled rubber
Density	700kg/m ³

Typical Flooring Build-ups



Concrete Slab / Floating Screed

1. Concrete slab
2. Damp-proof membrane (DPM)
3. 5mm MCW Impact R5
4. Minimum 65mm sand and cement screed

Acoustic Performance

 ΔL_w
21dB

Additional Technical Data

Maximum traffic load	60 kN/m²
Compressibility	$c \leq 0.5\text{mm}$
Tensile strength	$\geq 0.4 \text{ N/mm}^2$
Thermal conductivity	$\lambda = 0.06 \text{ W/(mK)}$
Temperature resistance	-20°C to +60°C