

TECHNICAL DATA SHEET

MCW Impact R10

10MM HEAVY-DUTY ACOUSTIC LAYER FOR HIGH-LOAD FLOATING SCREEDS



MCW Impact R10 is a 10mm heavy-duty acoustic layer developed for floor constructions where high load-bearing capacity and effective impact sound reduction are required.

Manufactured from bonded recycled-rubber granules, its resilient construction separates the floating screed from the supporting structure, helping to reduce the transfer of impact energy caused by footsteps and everyday activity.

In representative laboratory-tested constructions, the equivalent 10mm material achieved impact sound improvements of up to **ΔL_w 28dB**.

Key Benefits

- Impact sound improvement of up to ΔL_w 28dB in tested constructions
- Designed for heavily loaded residential and commercial floors
- Supports Approved Document E compliance in suitable constructions
- Manufactured from recycled-rubber granules

Technical details

Roll Dimensions	1m x 10m
Roll Thickness	10mm
Roll Weight	74kg
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 R10
4. Minimum 65mm sand and cement screed

Acoustic Performance

 ΔL_w
Up to 28dB

Additional Technical Data

Maximum traffic load	150 kN/m ²
Tensile strength	$\geq 0.3 \text{ N/mm}^2$
Thermal conductivity	$\lambda = 0.09 \text{ W/(mK)}$
Temperature resistance	-20°C to +60°C