

category	soundproofing
description	EcoMat RC3 and RC5
part code	A412 & A414



A412/A414 EcoMat RC3 and RC5 The RC matting has been developed for use in both commercial and residential buildings such as apartments, hotels, hospitals etc. EcoMat RC3 and EcoMat RC5 has been developed to meet the current Building regulations and is Document E compliant. It combines minimum build height with permanent resilience.

It is suitable for use as acoustic matting under most floor finishes such as ceramic tile, stone, vinyl, wood, carpet etc.

The material is manufactured from waste rubber and cork (RC) which is mixed with a polymer binder to form a purpose made resilient acoustic matting which has exceptionally good insulating qualities.

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Applications

The EcoMat floor covering is suitable for use with:

- Ceramic tiles
- Sheet vinyl
- Stone floors
- Wood
- Parquet
- Flotex
- Marble
- New build and refurbishment
- Underfloor heating

Technical Specification

Product	A412/414 EcoMat RC3 and RC5
Colour	Black/beige
Roll size	1m x 20m
Thickness*	3mm (RC3) and 5mm (RC5)
Density	390Kg/m ³ approx.
Elongation at break	Approx. 60%
Flammability rating	B2
Tensile strength	0.6N/mm ²
Castor chair suitability	Yes
Environmental behaviour	Limited resistance to acid
Coefficient of friction	AVR 0.66
Service temperature	-30°C to 80°C
Heat conductivity	Approx. 0.12–0.19 W/mk

Benefits

- Easy installation
- High impact reduction
- Remains continually elastic
- Suitable under most substrates
- Ultra thin
- Good thermal properties
- Part E compliant
- Fully recycled

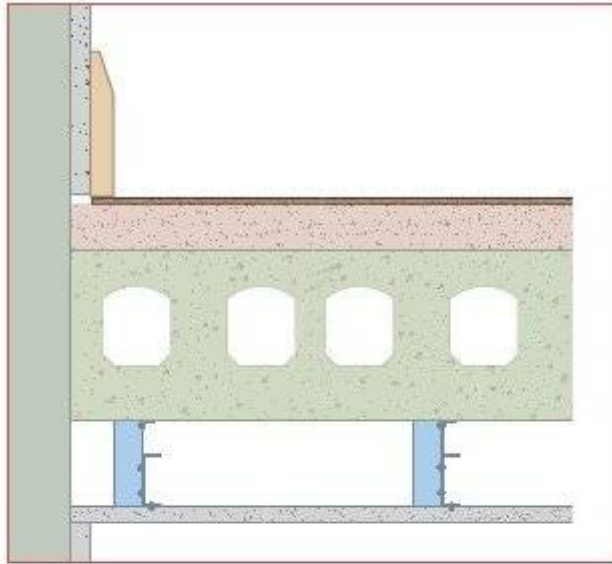
Acoustic Performance

Impact Sound Insulation:

EcoMat 3mm ΔL_w 18dB

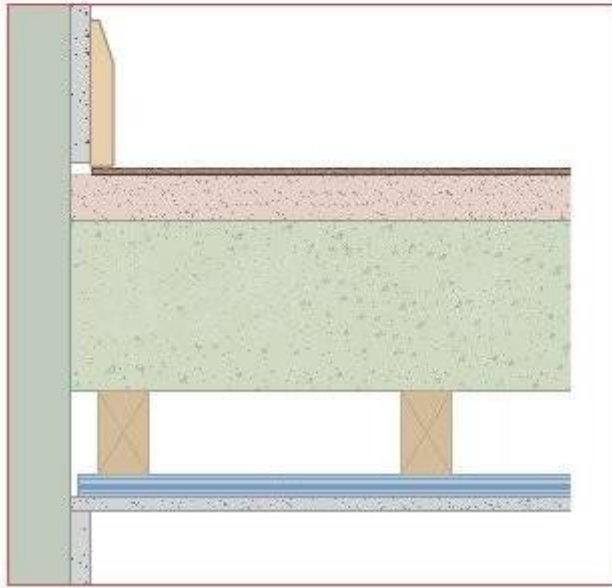
EcoMat 5mm ΔL_w 20dB

Measured in accordance with BS EN ISO 140-8 1998



Detail:

- EcoMat3 or EcoMat5 bonded to structural sub-floor.
- $\geq 300\text{kg/m}^2$ hollow core concrete planks with 80kg/m^2 sand/cement screed or proprietary screed.
- 75mm void formed by metal frame suspended ceiling system.
- $\geq 10\text{kg/m}^2$ gypsum board ceiling.



Detail:

EcoMat3 or EcoMat5 bonded to structural sub-floor.

- $\geq 300\text{kg/m}^2$ cast in-situ concrete with 80kg/m^2 sand/cement screed or proprietary screed.
- 75mm void formed by metal frame suspended ceiling system.
- $\geq 10\text{kg/m}^2$ gypsum board ceiling 75mm below underside of sub-floor supported under resilient bars at 400mm centres perpendicular to the battens.