

# CDM-ISO-MAT



## Continuous Acoustic Floor Layer

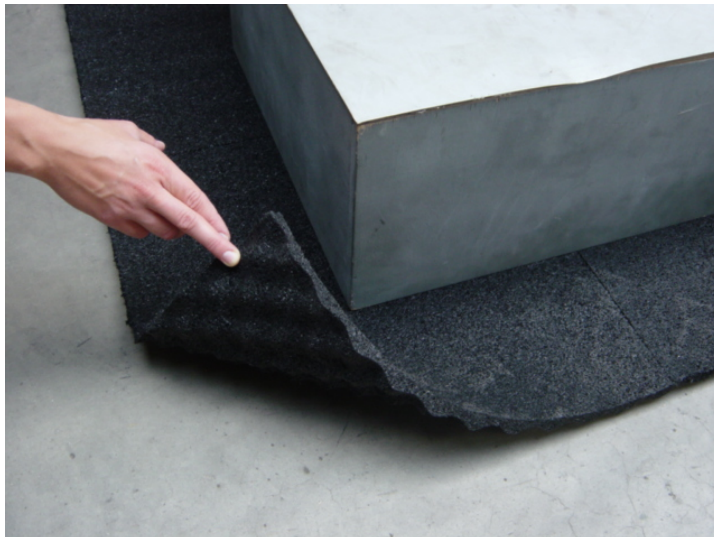


**CDM-ISO-MAT** is a continuous mat treatment that is used to float wet and dry floor constructions.

The following information is required for CDM to select the correct **CDM-ISO-MAT** product:

- The type and weight of the floating floor
- The imposed and dead loads
- Any sound insulation and/or impact isolation specifications

The correct **CDM-ISO-MAT** product will then be selected by CDM from the wide range of CDM elastomer materials available (CR, RC, RR, MF, PF) – please refer to Material Data Sheets.



For Domestic applications (please refer to CDM-ISO-MAT report – available on request) the most common types of **CDM-ISO-MAT** are:

- **CDM-ISO-MTA-8/4** – this is a profiled resin-bonded rubber product that is 8mm in total – this is mainly used for isolating screeds
- **CDM-ISO-MTC-4.5** – this is a 4.5mm thick resin-bonded rubber material – it is mainly used for isolation of ceramic tiles
- **CDM-ISO-MTD-6** – this is a 6mm thick resin-bonded rubber material – it is used for isolation of laminate flooring, ceramic tiles and for screeds

Where higher performances are required then many other materials are available, such as CDM-43010/5 (10mm thick profiled mat), CDM-43017/9 (17mm profiled mat), CDM-43020/10 (20mm profiled mat), the CDM-PR range available in many thicknesses, CDM-CR range available in many thicknesses etc.... Please call the CDM-UK office for advice on the most suitable material for your application.

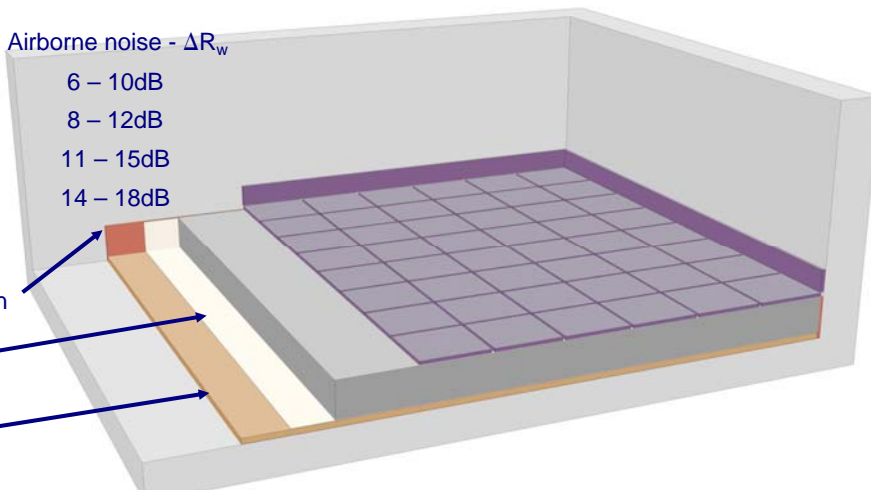
As an indication the following isolation improvements (between 100 and 500Hz) can be obtained when compared to the non-isolated case:

Thickness, mm	Impact noise - $\Delta L_n$	Airborne noise - $\Delta R_w$
3mm	8 – 10dB	6 – 10dB
5mm	12 – 15dB	8 – 12dB
10mm	16 – 20dB	11 – 15dB
20mm	20 – 25dB	14 – 18dB

**CDM-ISO-PERIMETER-STRIP** lateral isolation

Polythene waterproof membrane

CDM-ISO-MAT isolation layer



## CDM-ISO-FLOOR

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noise & vibration control

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