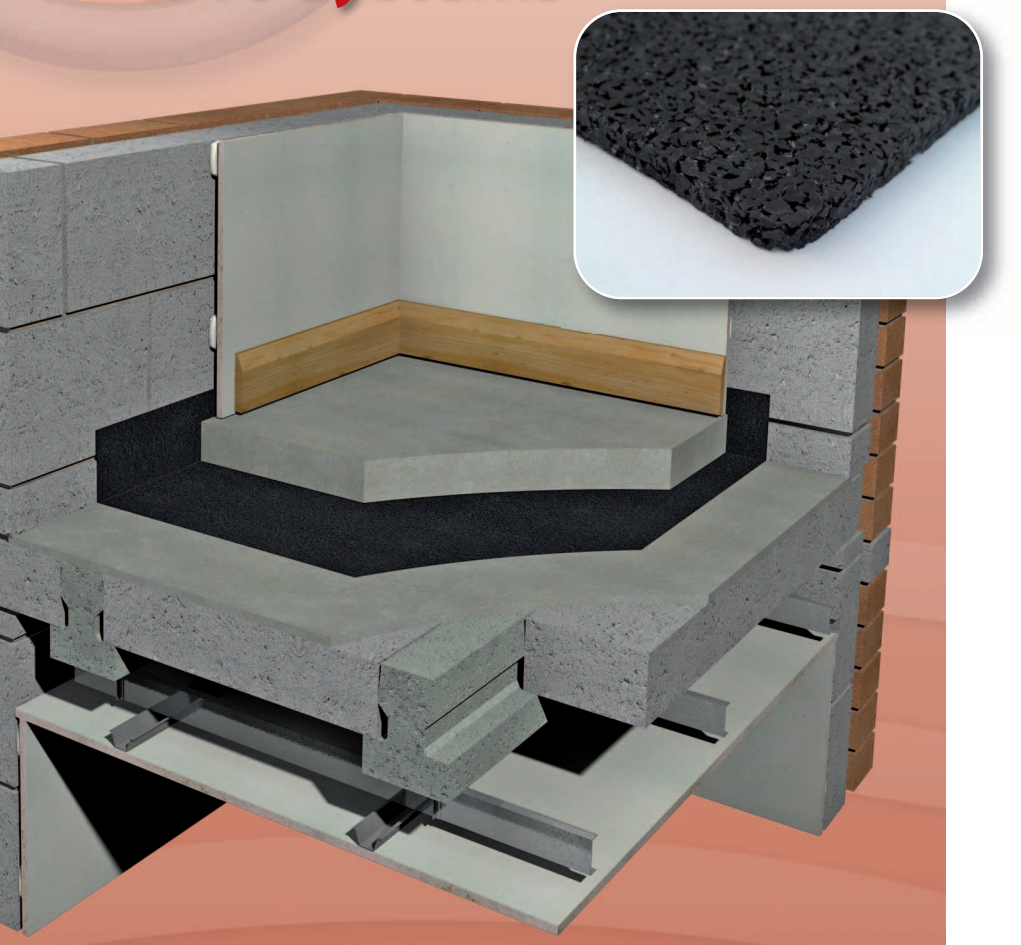
Issue 3.5 • October 2022

One of the isomass systems range

isocheck™

Re-Mat Base 3, 5, 6 & 10 Systems



UNDER SCREED SYSTEMS FOR ALL TYPES OF CONCRETE FLOORS

- New build
- Refurbishments
- Conversions

TESTED BY NHBC ACOUSTIC SERVICES

Institute of Acoustics sponsoring organisation

MADE IN THE UK

ISO 9001:2015 REGISTERED COMPANY

Taking the *mystery* out of Acoustics

DESCRIPTION

- The Isocheck Re-Mat Base 3, 5, 6 & 10 systems are designed to reduce impact sound transmission through all types of structural concrete floors.
- Isocheck Re-Mat Base 3, 5, 6 & 10 comprises 3mm, 5mm, 6mm or 10mm reconstituted bonded rubber layer that has been designed to be placed within a masonry structural floor directly below the screed.
  This isolates the screed from the structural sub floor, and provide sufficient impact absorption to place it amongst the top performing systems available.
- By ensuring that all the joints are taped, bridging will be eliminated which is the single greatest cause of failure of any system of this type.
- Isocheck Re-Mat Base 3, 5, 6 & 10 have been tested to BS EN 29052-1:1992 and satisfy the dynamic stiffness requirement with a figure of 10MN/m^3.

BENEFITS

- Tested as a single 6mm layer.
- Composition prevents water transmission which can impair acoustic performance.
- All installations over 250m^2 come with a free site pre screed inspection.

E1 NEWBUILD E1 CHANGE N C

isocheck™ acoustic insulating products

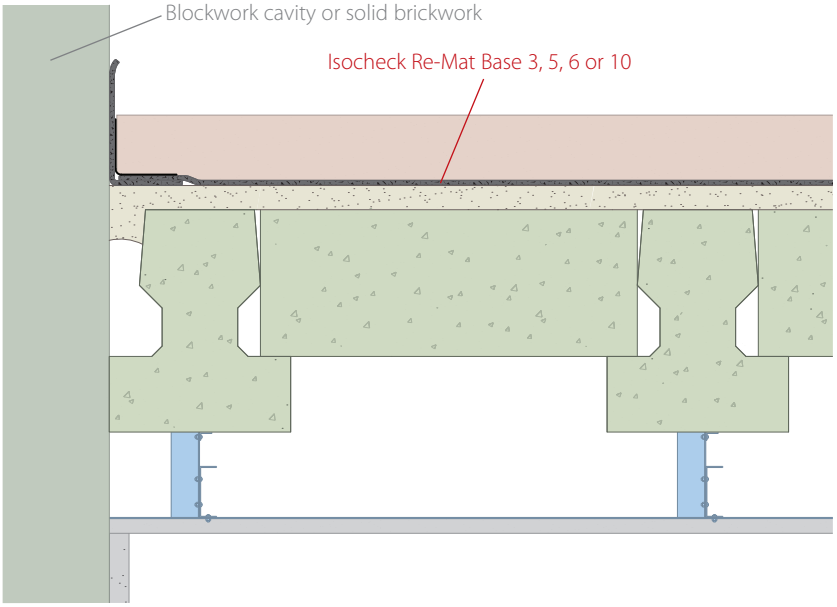
isocheck™ under screed system

Product data

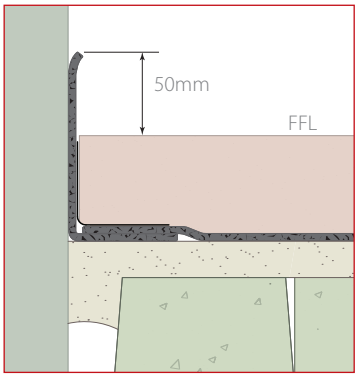
Dimensions:	Re-Mat Base 3	1.00m wide x 20m long x 3mm thick rolls
	Re-Mat Base 5	1.25m wide x 10m long x 5mm thick rolls
	Re-Mat Base 6	1.25m wide x 10m long x 6mm thick rolls
	Re-Mat Base 10	1.25m wide x 6m long x 10mm thick rolls
Foam composition:		Bonded rubber fibres
Density:		730kg/^{3} ±5%
Compression test: (DIN EN ISO 3386-2)		$CC25_{22}$ = 539kPa $CC40_{22}$ = 1803kPa $CC50_{22}$ = 4660kPa
Compression at 10% pressure: (DIN 53421)		0.24 MPa (E-Module) 2.9 MPa
Thermal conductivity (DIN 52612):		0.14 W/mK
Fire Classification (DIN 4102):		B2

Performance (on the construction below)

Treated floor with: Re-Mat Base 3, 5, 6 or 10	Construction complies with the latest version of Approved Doc E of the building regulations. Under separate UKAS laboratory site tests, the construction below was found to provide a $D_{nT,w} + C_{tr}$ of 49dB and an $L'_{nT,w}$ of 48dB.



- min 80kg/m² - 65mm sand cement screed or 40mm liquid proprietary screed.
- Optional plastic sheeting - to aid screed pouring and maintain joints in isocheck Re-Mat Base 3, 5, 6 or 10.
- Isocheck Re-Mat Base 3, 5, 6 or 10.
- ≥300kg/m² minimum structural beam and block floor with optional levelling screed.
- 75mm min. void formed by metal frame suspended ceiling system and ≥10kg/m² fire-rated board ceiling.



SPECIFICATION

The acoustic floor shall be:

- Isocheck Re-Mat Base 3, 5, 6 or 10, supplied by Isomass Ltd. [redacted] and installed in accordance with manufacturer's instructions / recommendations.

INSTALLATION

- The floor surface should be swept free of any loose debris that may damage or bridge the system.
- Butt joint and seal all roll edges of isocheck Re-Mat Base 3, 5, 6 & 10. At perimeters overlap Re-Mat Base 3, 5, 6 or 10 onto a right angle flanking edge strip which should be turned up all vertical surfaces to allow a minimum 50mm to protrude above the intended FFL of the screed.
- Perimeter overlaps or butt joints should be sealed with a min 100mm wide duct tape.
- Services that penetrate the screed should be isolated by wrapping with Re-Mat Base 3, 5, 6 & 10 which again would be taped.
- When trafficking the floor take care not to perform any unnecessary actions that may cause any of the taped joints to be forced apart.

isomass® building acoustics