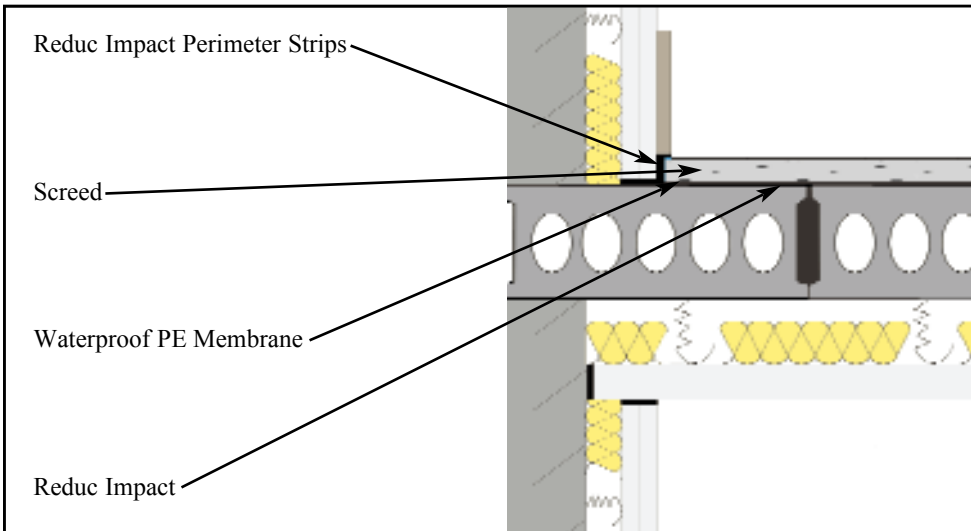


# Reduc Impact

## Description

**REDUC Impact** is a 6mm thick resilient, environmentally friendly, under screed sound insulation matting. It is manufactured from a polyurethane bound mixture of selected recycled rubber fibres and is designed to reduce impact sound transmission through new build concrete floors. Its excellent thermal conductivity means that it is ideal for use with underfloor heating systems.



**Colour** - Black

**Granulate Structure** - Fine/coarse

## Application

**REDUC Impact** is used extensively under all types of flooring screed in most new build residential and commercial applications by those looking to comply with the requirements of Approved Document E of the Building Regulations.

## Technical Advice and Acoustic Testing

Highly qualified and experienced building and acoustic engineers are available to discuss all aspects of acoustic performance requirements and can prepare specifications and effective installation instructions to ensure optimum performance is achieved. If required, they can also undertake pre- and post-installation testing for airborne and impact sound insulation. Further details are available on request.

## Operating Temperature

**REDUC Impact** is suitable for use at temperatures ranging from -30°C up to +80°C

## Fire Performance

**REDUC Impact** achieves a Class B2 when tested in accordance with DIN 4102.

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## Dimensions and Density

Roll Width	1.25m
Roll Length	10m
Dimensional Tolerance according to DIN 7715-2 Class M4	1.5%
Material Thickness	6mm
Density	730kg/m <sup>3</sup> ±5%

## Compression and Load Bearing Performance

Tensile strength	EN ISO 1798	0.60 Mpa
Elongation at break	EN ISO 1798	Approx 45%
Stress/strain characteristics in compression	EN ISO 3386-2	CC <sub>25</sub> : 646 kPA CC <sub>40</sub> : 2098 kPA CC <sub>50</sub> : 5565 kPA
Compression test at 10%	DIN 53421	0.29 Mpa
Modules of Elasticity	DIN 53421	3.38 Mpa

## Acoustic Performance

	Airborne Sound	Impact Sound
	D <sub>nT,w</sub> + C <sub>tr</sub>	L' <sub>nT,w</sub>
Approved Document E - New Build Requirements	45 dB (minimum)	62 dB (maximum)
<b>REDUC Impact Site Test Results</b>	49 dB	48 dB *

\* Impact test is performed over laminate

Measured in accordance with EN ISO 140-8 **REDUC Impact** achieves a weighted reduction in impact sound pressure level ( $\Delta L_w$ ) of 19dB compared with a Building Regulations minimum requirement of 17dB.

## Packaging and Handling

**REDUC Impact** is packed on non-returnable pallets and should be stored inside, single stacked and under cover in a well ventilated area.

## Availability

**REDUC Impact** is available through a national network of stockists. Further details available on request.

## Application and Fixing

1. Prior to the installation of **REDUC Impact**, ensure the concrete substrate is smooth, dry and free of dirt and dust.
2. Apply **REDUC Impact** Perimeter Strips to the wall around the entire floor area to be treated. Any structural components which extend upwards or laterally such as pipes should also be wrapped.
3. **REDUC Impact** should be rolled out and cut to size using a craft knife and long straight edge. Each piece should be loose laid and tightly butted up to the Perimeter Strips and to each subsequent piece without overlapping.
4. Seal all joints with Reduc Adhesive Tape.
5. Cover **REDUC Impact** with a waterproof PE membrane which should also extend over the **REDUC** Perimeter Strips.
6. Lay concrete screed as per manufacturer's instructions.

## For Further Information

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