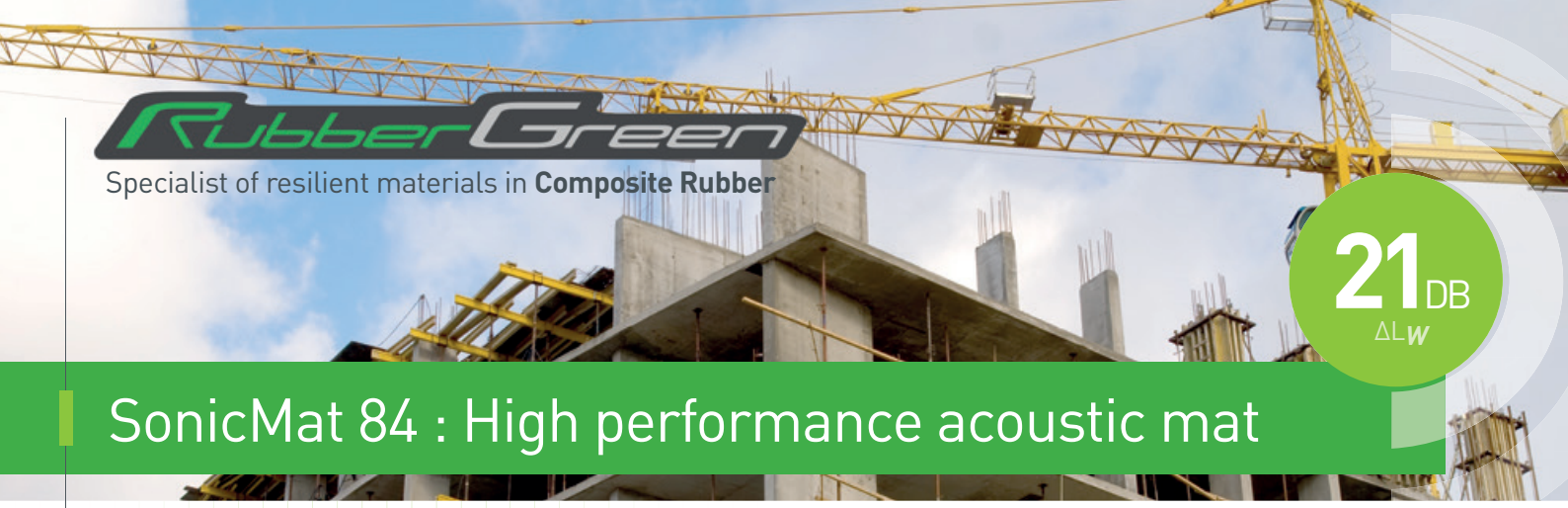


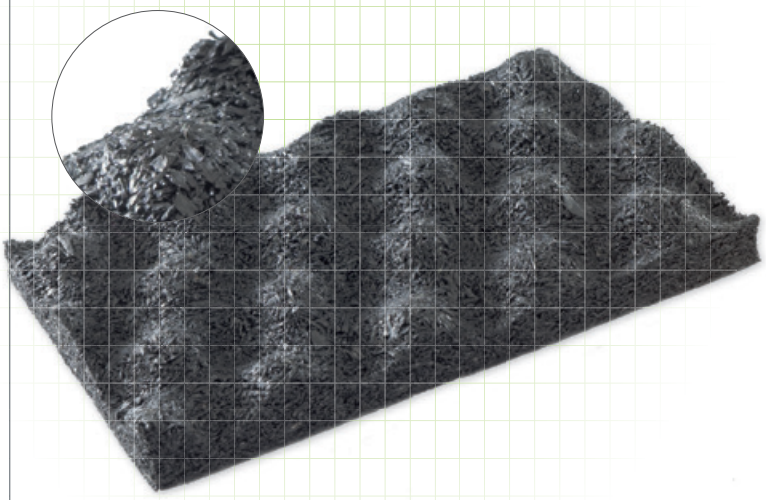
RubberGreen

Specialist of resilient materials in **Composite Rubber**

21 DB
ΔL_W

SonicMat 84 : High performance acoustic mat

TECHNICAL INFORMATION SHEET



PRODUCT DESCRIPTION

SonicMat 84 is composed of high-grade granules of recycled rubber with PU elastomer bonding agent, it is designed to isolate screeds from the main structure of the building, reducing impact energy generated by general footfall and impact noise.

APPLICATIONS

SonicMat 84 offers impact sound improvement in

- Residential buildings;
- Office spaces;
- School;
- Hospitals;
- Commercial buildings.

BENEFITS

- Excellent material performance with a significant impact sound improvement that helps compliance with Part E - Building Regulations 2010;
- Extremely high resistance to compressive loads;
- Outstanding elasticity;
- Resistant to ageing and deformation;
- Minimizes construction heights;
- Environmentally friendly (100% recycled);
- Quick and easy installation;

INSTALLATION GUIDELINES AND SERVICES

- Please refer to the RubberGreen installation guidelines,
- In addition to supply of this product our Partner offers an installation service. Use of our recommended Partner service ensures that installation is performed to the highest standards by tradesmen fully experienced in the specialist skills of fitting acoustic materials correctly.

  For further details contact our technical team of our Partner as per the below details.

↓ PARTNER

Rue de la Sucrerie, 10 7080 Frameries - Belgium | Ph.+32 (0)65 80 15 60 | Fax +32 (0)65 63 49 08
info@rubbergreen.be - www.rubbergreen.eu

Physical & technical information

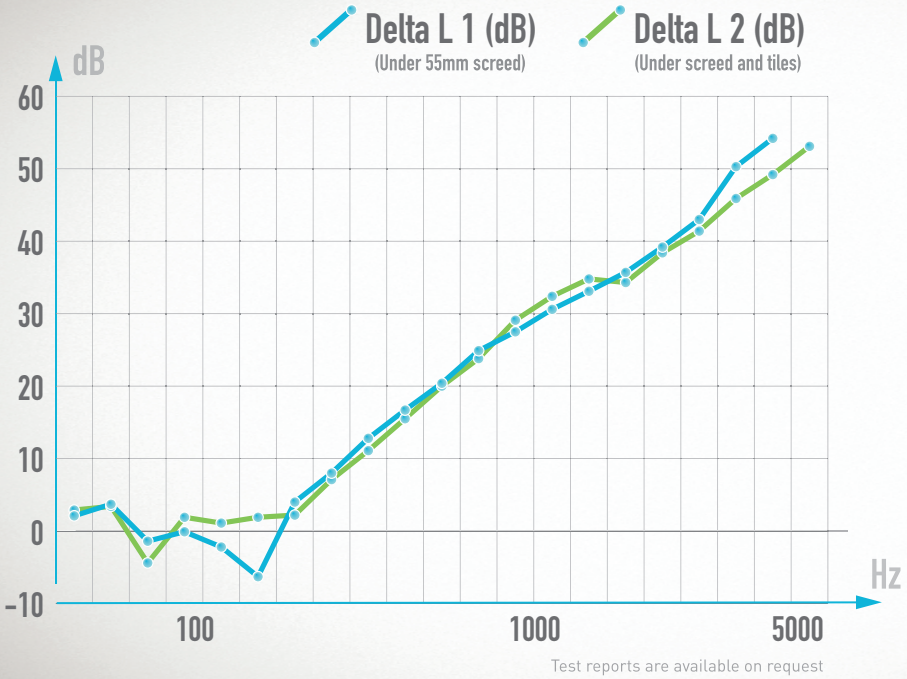
PHYSICAL INFORMATION

Sheet length	10,000 mm
Sheet width	1000 mm
Material thickness	8 mm nominal (dimple one side)
Colour	Black
Surface	Granular texture, with profile on one side

TECHNICAL INFORMATION

Density	approx. 650 - 750 kg/m³
Tensile strength (ISO 1798)	approx. 0.3 N/mm²
Temperature resistance	- 40°C to 80°C
Elongation at break (ISO 1798)	approx. 45%
Dynamic stiffness (EN 29052)	approx. 30 MN/m³
Impact sound improvement (EN ISO 140-8)	Δ_{LW} = **19dB** under 55mm screed Δ_{LW} = **21dB** under screed and tiles
Maximum Permanent load / Deflection	5000kg/m²/ 1.5mm
Fire Classification (EN 13501-1)	E_{fl}
Natural frequency	30 Hz [at σ = 0.05N/mm²]

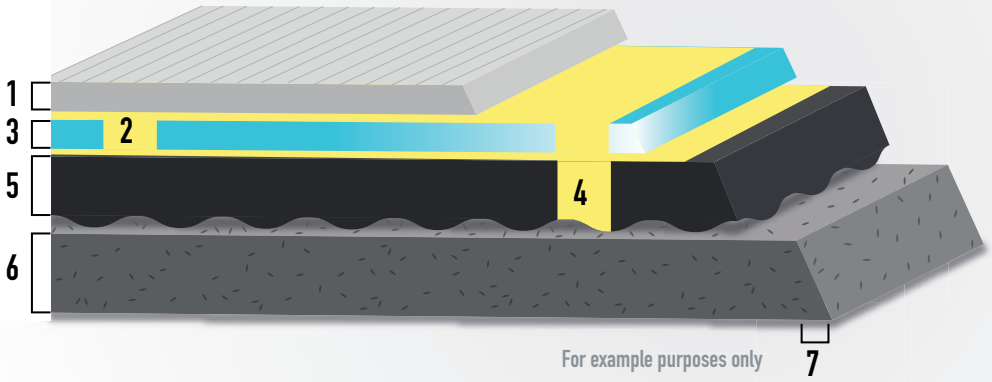
ACOUSTIC PERFORMANCE



Test reports are available on request

Frequency (Hz)	Delta L 1 (dB)	Delta L 2 (dB)
50	2,1	2,9
63	3,7	3,4
80	-1,4	-4,4
100	-0,1	1,9
125	-2,2	1,1
160	-6,3	1,9
200	4	2,2
250	8	7,1
315	12,8	11,1
400	16,7	15,5
500	20,4	20
630	24,9	23,8
800	27,5	29,1
1000	30,6	32,4
1250	33,1	34,8
1600	35,7	34,3
2000	39,2	38,4
2500	43	41,4
3150	50,3	45,9
4000	54,2	49,2
5000		53,1

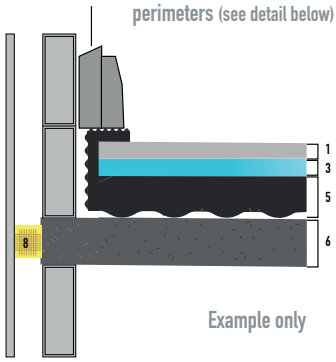
Installation Scheme



For example purposes only

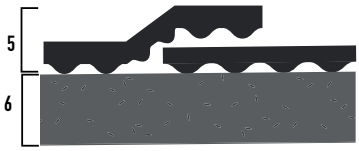
1. 55mm sand cement screed or under screed and tiles
2. Taped joint
3. 0,2mm waterproof membrane
4. Joint detail
5. RG Sonic mat 84 – 8mm detail
6. Concrete slab
7. Perimeter detail

This method must be used on perimeters (see detail below)



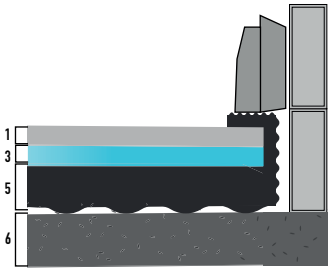
Example only

4. Joint detail



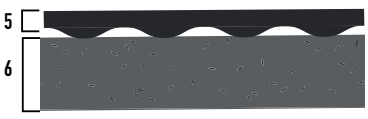
Example only

7. Perimeter detail



Example only

4. Alternative Joint Detail (butted)



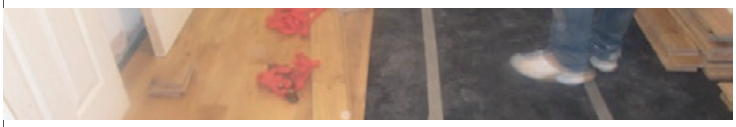
Example only

Rue de la Sucrerie, 10 7080 Frameries - Belgium | Ph.+32 (0)65 80 15 60 | Fax +32 (0)65 63 49 08
info@rubbergreen.be - www.rubbergreen.eu

Other related products & RubberGreen the Company

RubberMat

Soft Rubbermat for impact sound insulation. It is widely used under flooring in order to improve the footfall sound (timber, tiles, ...) It can be installed in any kind of construction (residential houses, offices, hospitals) and is delivered in rolls (1.25x20 m).



RubberWall

To maximize the efficiency of the SonicMat 84 system, RubberGreen has created Rubberwall, a heavy-duty masonry insulation material that disconnects the walls from their base and acts as a mass-spring system.

Capable of bearing loads of up to 7 storeys in its standard version, this material is particularly resistant and keeps its resilience over time. With a thickness of 10 mm, it is delivered in 100, 150, or 200 mm wide stripe rolls of 6 m long.

Visit **www.rubberwall.be** for more information

RubberDeck

Specifically designed to absorb impact noise and ensure roof protection for decking applications, Rubberdeck is very easy to install for any decking installer. Either in strips or pads, it is installed between the plancks and the beam for a 3-6dB sound reduction and possibly between the beam and the floor (on rooftops or concrete slabs) for an enhanced noice reduction efficiency.

The water-resistant nature of compressed rubber makes it particularly suitable for various outdoor applications. The product comes in 3, 5 or 10 mm thickness, and in stripes or pads.

THE COMPANY SHORT PRESENTATION

RubberGreen is the specialist in composite rubber materials and RubberGreen designs and manufactures noise and vibration insulation and comfort solutions for the following sectors:

- Construction & building;
- Railways;
- Industry;
- Dairy and agriculture;
- Others : playgrounds, DIY.

RubberGreen benefits from a state-of-the art machine and manufacturing plant ideally situated at the crossroads of Europe and recycles over 2000 tons a year of high quality rubber.

RubberGreen's management team has over 25 years of experience in the rubber industry.

RubberGreen Industrie SA
Rue de la Sucrerie, 10
7080 Frameries - Belgium
Ph.+32 (0)65 80 15 60
Fax +32 (0)65 63 49 08
info@RubberGreen.be

For further information:
www.rubbergreen.eu