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Regupol[®] E48 (E-FC-6) High Performance Screed Isolation for Beam & Block Floors

Technical Data Sheet

PRODUCT DESCRIPTION

Regupol[®] E48 is a recycled tyre crumb product designed to isolate screeds from the main structure of the building, reducing impact energy generated by general footfall.

Regupol[®] E48 offers enhanced acoustic performance at loads up to and including 30kN/m and having a dimpled surface on one side increases air movement, further aiding overall performance.

APPLICATION

Regupol[®] E48 has been developed to offer enhanced isolation and impact sound performance in:

- Apartments
- Hotels
- Schools
- Hospitals
- Retail

FEATURES and BENEFITS

- Robust Detail approval for beam & block floor E-FC-6
- Excellent impact and airborne performance
- Offers long term performance without collapse or "bottoming" out under high point loads
- Resistant to ageing and deformation
- Quick and easy to install with no need for separate perimeter strips
- Minimises construction heights
- Mildew and moisture proof
- Zero global warming potential (GWP) and zero ozone depletion potential (ODP)
- Product manufactured using Recycled Materials and 100% recyclable

TECHNICAL INFORMATION

Density	approx 600kg/m³
Tensile strength (DIN 53571)	approx 0.5N/mm²
Thermal conductivity	approx 0.14W/mK
Elongation at break	approx 47%
Mean Value of Dynamic Stiffness	47MN/m ³
Maximum load bearing capacity	3000kg/m² (30kN/m²)
Temperature resistance	-40°C to +110°C
Airborne sound insulation (DnT,w + Ctr)	49dB (mean average)
Impact sound insulation (L'nT,w (Ci))	*47dB (mean average)
Impact Improvement (ΔLw (Cld))	31dB

* Based upon site testing for Robust Detail compliance in beam and block applications





PHYSICAL INFORMATION

Sheet length	13m
Sheet width	1.15m
Material thickness	8mm nominal (dimpled one side)



- 1 65mm sand cement screed or minimum 40mm proprietary screed
- 2 Taped joint*
- **3** Minimum 500 gauge polythene sheeting
- 4 Joint detail**
- 5 Regupol[®] E48 8mm layer
- 6 Beam & Block floor, minimum 300kg/m² Blocks topped with a minimum 50mm concrete
- 7 Perimeter detail
- 8 Acoustic cavity closer
- 9 Hi-tack tape
 - * DPM overlap to be minimum 100mm
 - ** For Proprietary Screeds





4 Alternative Joint Detail - butted



Important:

Regupol[®] E48 must be installed dimple side down.





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IMPORTANT: Directions for use are given for guidance only and are not intended to form part of any contract. They should be varied or adapted to suit your particular materials or conditions of use. It is strongly recommended that prospective users test a sample of the product under their own conditions to satisfy themselves of its suitability for the intended purpose. For the Pre Completion Testing route to compliance with the Building Regulations CMS Danskin Acoustics may provide site test evidence (where available) concerning the use of their product in a similar overall construction. Test evidence of a product passing minimum standards in one construction is not a warranty or specification that the same product will meet the desired acoustic performance level in any other building. Such evidence can only be considered indicative and should not be relied upon.