

TECHNICAL DATA SHEET

Product: IsoRubber Top
Issue Number: 005
Issue Date: May 2017

Product Information

Description

IsoRubber Top is a dense, rubber and cork composite, impact sound isolator or cushioning underlay. Due to its plasticizer free formulation IsoRubber Top is not affected by softener discoloration or colour migration.

Colour: Multi-coloured
Surface: Granular texturing

Application

Acoustic insulating overlay approved for use on top of screeded pre-cast concrete floors (*Robust Detail E-FC-9*) and in-situ concrete floors (*Robust Detail E-FC-10*). Suitable for use beneath ceramic & stone tiles, vinyl, carpet, timber floors and laminated floor finishes.

Appearance & Packaging

Supplied in rolls in stock sizes (*other sizes available on request*):

- 1m x 20m

Physical Properties

Thickness:	3mm \pm 0.3 mm	
Density:	610kg/m ³	
Tensile strength:	0.3N/mm ²	(EN ISO 1798)
Ultimate elongation:	20 %	(EN ISO 1798)
Service Temp. Range:	-30°C to 80°C	

If you require any further technical information please contact our Technical Department on 01582 544255.

Acoustic Performance

Impact Sound Reduction: $\Delta L_W = 18\text{dB}$ for 3mm thickness (EN ISO 140-8)

Thermal Performance

Thermal Resistance: $0.04\text{m}^2 \cdot \text{K/W}$ (for 3mm thick product) (DIN 52612)

Thermal Conductivity: $0.075\text{W/m} \cdot \text{K}$

Acoustic Test Data

The following table shows the mean average of actual site test results using IsoRubber Top to insulate a pre-cast hollow-core concrete plank.

Site	Average of DnT,W + Ctr	Average of L'nT,w
Exchange Road, Watford, WD17 1AZ	54.77	45.04
Hollies Farm, School Lane, Hartford, CW8	51.00	46.83
Medway Depot, Tunbridge Wells, TN1 2H	55.17	47.09
Ossidge Park, Russell Lane, Barnet, N20	52.00	48.88
Parklands, North Shoebury Road, Shoeburyness, SS3 8UH	52.13	50.75
Quadriga, Colchester, CO2 7NZ	54.13	49.38
Sun Printers, Whippendell Road, Watford	53.25	50.38
The Lockhouse, Ebberens Road, Hemel Hempstead	55.83	49.50

The following table shows the mean average of actual site test results using IsoRubber Top to insulate an in-situ concrete slab.

Site	Average of DnT,W + Ctr	Average of L'nT,w
17 Springfield Road, Walmley, Sutton Coldfield	51.43	52.00
30 Bath Road, Slough	54.88	42.50

Environmental Data

IsoRubber Top is manufactured from recycled or diverted landfill rubber (ie: prime rubber manufacturing waste with a proportion of binding agent). Rubber and cork are naturally occurring, sustainable materials and IsoRubber Top is completely recyclable.

No blowing agents, CFCs or HCFCs are used during the manufacturing process.

Global Warming Potential : 0

Ozone Depletion Potential : 0

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