

TECHNICAL DATA SHEET

Product: IsoRubber FR
Issue Number: 001
Issue Date: Nov 2020

Product Information

Description

IsoRubber FR is a dense, rubber and cork composite, impact sound isolator or cushioning underlay with added fire retardant. Due to its plasticizer free formulation IsoRubber FR is not affected by softener discolouration or colour migration.

Colour: Multi-coloured
Surface: Granule texturing

Application

Acoustic insulating overlay suitable for use beneath carpets, ceramic & stone tiles, wooden finishes, laminates and vinyl floor finishes. 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*).

Appearance & Packaging

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

- 1m x 20m

Physical Properties

Thickness:	3mm ± 0.3mm (others upon request)	
Density:	Approx. 610kg/m ³	
Tensile strength:	Approx. 0.3N/mm ²	(EN ISO 1798)
Elongation at Break:	Approx. 20%	(EN ISO 1798)
Service Temp. Range:	-30°C to + 80°	
Flammability rating:	C _{fl}	(ISO 11925 / EN 13501)

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

Acoustic Performance

Impact Sound Reduction: $\Delta L_W = 17\text{dB}$ for 3mm thickness (EN ISO 140-8)

Thermal Performance

Thermal Resistance: $0.04\text{m}^2 \cdot \text{K/W}$ for 3mm thickness (ISO 8303)

Environmental Data

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

Global Warming Potential : Less than 5

Ozone Depletion Potential : 0

Fire Rating Information

IsoRubber FR has been tested in accordance with EN 13501-01 and achieves a Euroclass C_{fi} fire rating. This means that it is classed as “flame retardant” and has “limited contribution to fire”. This goes beyond the normal requirements of an acoustic covering, but does not mean that the product can be used as a fire barrier or that it is completely non-combustible.

The use of flame retardant products can help to slow the spread of a fire when used in the correct manner in combination with other flame retardant materials.