

TECHNICAL DATA SHEET

Product: IsoRubber HP3
Issue Number: 004
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Product Information

Description

IsoRubber HP3 is a dense, rubber composite, impact sound isolator or cushioning underlay.

Colour: Black with some coloured particles.
Surface: Smooth, granular.

Application

Acoustic insulating underlay for use beneath screeds on pre-cast concrete floors (*Robust Detail E-FC-12*); and steel/concrete composite floors (*Candidate Robust Detail MF19*). Site tested for compliance with Approved Document Part E on various concrete and timber floors. Suitable for textile floor finishes, timber overlays and laminate flooring.

Appearance & Packaging

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

Roll Size: 1m x 10m

Physical Properties

Stock Thickness: 3mm
Density: Approx. 680kg/m³
Tensile strength: 0.40N/mm² (EN ISO 1798)
Elongation at Break: 40% (EN ISO 1798)
Service Temp. Range: -30°C to + 80°C

Acoustic Test Data

Impact ΔL_w : 19 dB (EN ISO 140-8 and EN ISO 717-2)

The table below shows the mean average of results obtained from site tests using IsoRubber HP3 as part of Robust Detail E-FC-12.

Row Labels	Average of DnT,W + Ctr	Average of L'nT,w
Imperial Gardens, Tipton	50.38	53.50
Phase 10, Former Pirelli Site, Eastleigh	53.75	55.38
Zest, Keresley, Coventry, CV7 8LP	52.88	51.00
Riverside Collection, Block E, Abingdon	56.00	51.29
Bakers Court, Hodgson Way, Wickford	58.25	51.25
Park 21, Eastleigh, Southampton	55.38	53.75

Environmental Data

IsoRubber HP3 is manufactured from 100% recycled or diverted landfill rubber (ie: prime rubber manufacturing waste and car tyres with a proportion of binding agent). Rubber is a naturally occurring, sustainable material and IsoRubber HP3 is completely recyclable.

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

Global Warming Potential : 0

Ozone Depletion Potential : 0