

## Description

DuroSoundproof is an acoustic soundproof underlay. Which has been tested to meet all Australian standards. The unique mix has been specifically designed for the reduction of impact sound to suit both concrete and timber substrates. DuroSoundProof has been specifically engineered to meet the acoustical requirements for both specifiers and home owners who are looking to use these systems in their projects. DuroSoundproof has been used and approved to be used in high-rise units, multi storey town houses and residential homes. DuroSoundproof can be used in new and old buildings which require sound and noise reduction. DuroSoundproof being such a versatile easy to use product it can be used in multiple locations such as ceramic floors, timber, laminate, carpet and plank vinyl.

## Product Overview

“Deemed to satisfy” the requirements of the Building Code of Australia

DuroSoundproof acoustic underlay products have been individually tested at the CSIRO Laboratory in Melbourne in accordance with the requirements of ISO 140-8 – Part 8: “Measurement for the reduction in transmitted impact noise by floor coverings on a standard floor. DuroSoundproof complies with ISO 140-6 “Measurement of sound insulation in buildings and building elements – Part 6: Laboratory measurement of sound insulation of floors” All products were tested at the CSIRO which employed a 150mm concrete slab only at the time of testing.

The source and transfer from one level to another varies in accordance with each individual building construction. DuroSoundproof products are specifically designed for the reduction of impact sound to suit both concrete and timber sub surfaces and has been specifically engineered to meet the acoustical requirements of specifiers for all common construction and installation methods.

DuroSoundproof products are proven to suit to a wide range of finished flooring surfacing including rubber, timbers, laminates, bamboo, ceramics, vinyl, carpets and can be laid in wet areas when installed with a compatible waterproof membrane system.

The DuroSoundproof density cork/rubber products are recommended under floor types where extreme point loading (heavy objects) may be an issue e.g. for direct stick tile, parquetry and vinyl application. These product formulas contain 30% of a 4mm granulated cork to act as stabilising piers when heavy loads are applied. Permanent resilient elasticity at a recycled price ensures DuroSoundproof it is the right choice for every application.

## Benefits and Advantages

- Australian made
- Green star rated – Eco friendly (made from Australian recycled rubber)
- Designed for use with standard installation techniques.
- Suited to High Rise, multistorey town houses, commercial and domestic usage
- Suitable for loose lay and direct stick applications
- Can be used in conjunction with underfloor heating systems

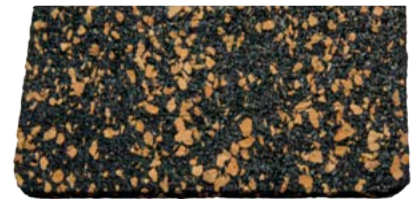
- Outstanding compressive strength and load bearing capacity
- Limits floor to ceiling heights
- Has excellent temperature range capacity
- Resistant to mould and mildew
- Permanently resilient

## Recommendation

DuroSoundproof products are specifically designed for the reduction of impact sound. The source of transfer noise from one level to another varies in accordance with each individual building and Durotech strongly recommends testing insitu by a registered Acoustic Engineer to establish suitability of purpose. To guarantee the performance of the proposed installation Durotech offers free samples for testing purposes only.

## Specifications

	<b>700</b>	<b>720 Cork</b>
<b>Material</b>	Polymerically bound black recycled rubber	Polymerically bound black recycled rubber and granulated cork
<b>Appearance</b>	Black	Beige and black
<b>Density</b>	700kg/m <sup>3</sup>	720kg/m <sup>3</sup>
<b>Thickness</b>	5mm	4mm



Tolerance	Roll width - ± 1.5% Roll length - ± 1.5% Thickness - ± 1.0mm Density - ± 5.0%
Dimensions	1.2m wide with various roll length options

VOC Emissions Certification Office Design IEQ-13 Office Interiors IEQ-11	Total Volatile Organic Compound emission rate 0.2mg/m <sup>2</sup> /hr (24 hours)
--	---

Impact Sound Reduction - All systems conducted at CSIRO Laboratory on 150mm concrete slab

**3mm plank vinyl @ min. thickness**

ΔLw = 20dB

**Vinyl**

ΔLw = 22dB

**Engineered timber/laminate floating/solid timber/plywood systems**

ΔLw = 18 dB

**Ceramic tiles**

ΔLw = 18 dB

**Carpet**

ΔLw = 30 dB

Tests carried out by CSIRO to the EN ISO 140-8 standard

## Physical Properties Range

Tear Resistance @ 5mm  
Hardness (Shore A)  
Elongation at Break  
Temperature Range

Approx 3.1N/mm<sup>2</sup> (ISO 4674.1-2003 (E))  
20.0 - 40.0 (ASTM D2240-2003)  
20.0 - 37.5% (AS2001.2.3.2-2001)  
-25°C to 80°C

## Application

For high-rise units, multistory townhouses and homes. Suitable for new and old buildings requiring impact sound insulation for the installation of timber, laminate, carpet, plank vinyl/vinyl over Masonite or ceramic floors. Can be installed on timber and concrete sub-bases. Can be used in wet areas when installed in conjunction with a suitable waterproof membrane system.



14 Essex Street, P.O Box 5092, Minto, NSW 2566

+61 2 9603 1177

+61 2 9475 5059

sales@durotechindustries.com.au

[www.durotechindustries.com.au](http://www.durotechindustries.com.au)

The information provided in this data sheet is correct at the time of printing (albeit is subject to change at any time) and is intended to give a simple description of the product and its capabilities. In practice, the substrate, intended surface to be treated and environmental conditions vary widely, making it essential for the user to determine the products suitability for a particular application and to ensure that the product is not used beyond its physical limitations. If in doubt contact the manufacturer. The product will perform as described herein provided it is applied in accordance with the manufacturer's instructions as stated in this data sheet and provided that the building and installation is structurally sound and the application is carried out competently. Durotech terms and conditions of sale apply.