

# BRADFORD™ SOUNDSCREEN™

## Introduction

Bradford™ Soundscreen™ combines the benefits of thermal insulation with the extra density of rockwool, to provide an insulation that reduces noise transfers in your home, as well as keeping you comfortable. It can be used in external and internal walls, ceilings and mid-floors.

Bradford Soundscreen has long been regarded by architects and builders as the industry standard for acoustic insulation.

## Product Description

Bradford Soundscreen is a lightweight insulation material manufactured from a molten mixture of natural rock and recycled blast furnace waste products, and bonded with a thermosetting resin.

It is specially formulated with water repellent to prevent moisture ingress into buildings. The product is light brown in colour and is supplied in strong polythene packaging for ease of transport and handling and is especially recommended where an economical combination of acoustic and thermal insulation is required.



## Applications

- Keep noise outside your home
- Turn your bedroom or study into a sanctuary
- Reduce disturbance from teenage bedrooms
- Reduce en suite bathroom noise
- Reduce noise between floors in 2 storey homes
- Quieter Multi-Residential living

## Features & Benefits

- A Soundscreen insulated wall will give an improvement of 6 Rw (approximately 6 dB over non-insulated walls).
- Low irritant and low allergen
- Lifetime Warranty
- Will not settle over time
- Soundscreen achieves the best possible fire ratings. Soundscreen will not ignite or burn and can hinder the spread of flame

## Standard Sizes & Packaging

R-Value	Nominal Thickness (mm)	Standard Size (mm)	Density (kg/m <sup>3</sup> )	Pieces per pack	Area per pack (m <sup>2</sup> )	NRC Values
R2.0	75	1350 x 580	32	6	4.7	0.95
R2.6*	88	1350 x 580	42	5	3.92	1.05

## Acoustic Performance

Product	Frequency (Hz)							NRC
	125	250	500	1000	2000	4000	5000	
R2.0 Soundscreen	0.30	0.75	1.00	1.00	0.95	1.00	1.00	0.95
R2.6 Soundscreen Plus*	0.40	0.95	1.00	1.00	1.00	1.00	1.00	1.05

\* 4 week lead time

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## Formulation

Bradford's advanced manufacturing processes provides products that are safe for allergy sufferers, allowing you and your family to breathe easy with added piece of mind.

Bradford products are manufactured using the latest FBS-1 bio-soluble formulation which has been assessed as nonhazardous under the National Occupational Health and Safety Commission's guidelines and can be installed with absolute confidence.



Bradford glasswool and rockwool products do not contain harmful VOC's – Volatile Organic Compounds nor do they contain any harmful amounts of formaldehyde or other organic chemicals.

## Designing for Sustainability

Bradford glasswool and rockwool products are manufactured from up to 65% recycled materials. Much of the recycled content used is not suitable for recycling in other applications.

## Zero Ozone Depleting Potential

Bradford Insulation has undertaken an audit of its Glasswool, Rockwool and reflective foil laminate insulation manufacturing processes referencing the US EPA List of Ozone Depleting Substances (Class 1 and Class 2).

This audit found that no ozone depleting substances are involved in either the manufacture or composition of these products.

## Physical Properties

Property	Performance	Test Criteria
Maximum Service Temperature	350 °C	Bradford recommends where high temperature use is required seek advice from your Bradford office.
Flow Resistivity	0.5 x 10 <sup>4</sup> mks Rayls/m	
Fire Resistance	Ignitability 0    Heat Evolved 0 Spread of Flame 0    Smoke Developed 0	When tested in accordance with AS/NZS1530.3:1999
Corrosion Resistance	pH 7.5 - 8.0	When tested in accordance with BS 3958 Part 5 - 1986
Moisture Absorbance	<0.2% by volume	Exposure to an atmosphere of 50 °C and 95% relative humidity for four days. Note: IF the insulation becomes wet, full thermal efficiency will be restored on drying out.

**Bradford™**  
for smarter environments

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BRADFORD™ SOUNDSCREEN™ - DATA SHEET

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