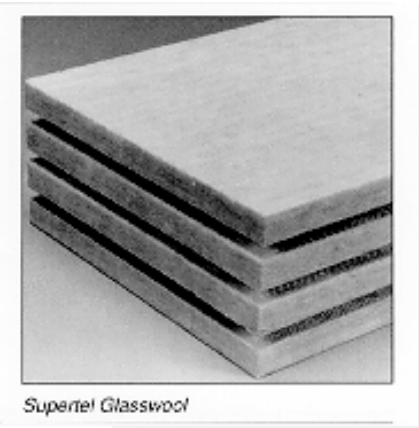
DATA SHEET

Bradford™
for smarter environments

Glasswool Supertel™

Product Description


Supertel Glasswool

Bradford Supertel™ Glasswool is made from a random felting of glasswool bonded with a thermosetting resin.

The resulting high density insulation is a light golden colour with high compression resistance and excellent thermal performance.

This product is bio soluble.

Applications

Glasswool Supertel™ has been designed as a thermal and acoustic lining for all air conditioning duct work or may be used for other thermal and acoustic applications where high insulation performance is required at minimal thickness. It provides ease of handling and excellent resistance to damage so that both during and after installation it delivers long lasting performance.

Detailed installation instructions for Supertel™ are available from all Bradford sales offices.

Standard Sizes and Packaging

Thickness (mm)	Size (mm)	Form	Items/Pack
13	2400 x 1200	Board	10
25	15m x 1500	Blanket	1
25	15m x 1200	Blanket	1
25	2400 x 1200	Board	10
25	2400 x 1500	Board	10
38	10m x 1500	Blanket	1
38	10m x 1200	Blanket	1
38	2400 x 1500	Board	8
50	10m x 1500	Blanket	1
50	10m x 1200	Blanket	1
50	2400 x 1200	Board	5
75	6m x 1200	Blanket	1
75	7.5m x 1200	Blanket	1
75	2400 x 1200	Board	3
100	2400 x 1200	Board	2
100	2400 x1500	Board	2

Note: Not all products available as stock items. Contact your Bradford Insulation office for stock availability, minimum order quantities and lead times. Standard packaging is a polythene bag. Nominal weight per 25mm thickness is 0.80kg/m2.

Maximum Service Temperature

Maximum service temperature: 350C. Bradford recommends where high temperature use is \required seek advise from your Bradford office as special start up procedures may be needed to minimise the risk of punking in certain industrial applications.

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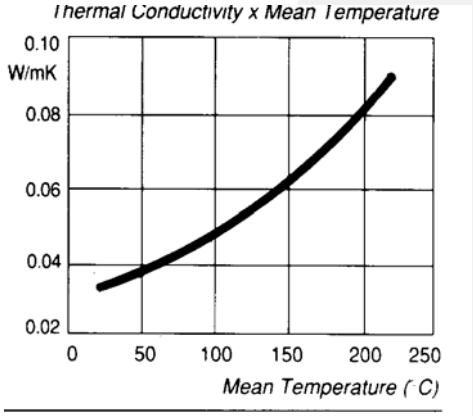
Factory Applied Facings

Standard factory applied facings are available. Various grades of Enviroseal as well as black or plain glass tissue, Bradford Ultraphon or Bradford Acoustituff can be adhered to Supertel™ to meet the needs of the application. Please contact your nearest Bradford sales office with your requirements.

Thermal Conductivity



0.032W/mK at 20°C mean.

The thermal conductivity of Supertel™ Glasswool varies with the mean temperature of the insulation as shown in the graph.

The curve is based on measurements made in accordance with AS2464 Parts 5 and 6.

At ambient temperature Supertel will therefore deliver R1.0 at 32mm and R1.6 at 50mm.

Fire Resistance Properties

When tested in accordance with AS/NZS 1530.3:1999, Glasswool Supertel™ has the following fire indices:

Ignitability	0
Spread of Flame	0
Head Evolved	0
Smoke Developed	0

Corrosion Resistance

Glasswool Supertel™ is faintly alkaline and will not corrode steel. To maintain this condition, protection must be provided against contamination from external sources. When tested in accordance with BS 3958 Part 5—1986, Glasswool Supertel™ has a pH of 7.5-8.0.

Moisture Resistance

Exposure to an atmosphere of 50°C and 95% relative humidity for four days results in moisture absorption of less than 0.2% by volume.

If the insulation becomes wet, full thermal efficiency will be restored on drying out.

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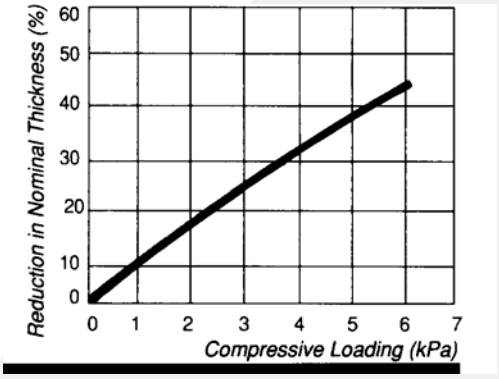
Sounds Absorption

Glasswool Supertel exhibits the following sound absorption coefficients when tested in accordance with AS 1045-1988 'Measurement of Absorption Coefficients in a Reverberation Room' (Mounting No. 4 - Laid flat on floor):

Thickness (mm)	Facing	Frequency (Hz) 125	250	500	1000	2000	4000	5000	NRC
25	Nil	0.12	0.41	0.63	0.90	1.01	0.99	0.94	**0.74**
50	Nil	0.27	0.75	1.12	1.12	1.07	1.04	1.03	**1.01**
50	Perforated Foil	0.39	0.72	1.14	1.19	1.05	0.98	0.90	**1.02**
75	Nil	0.52	0.94	1.24	1.13	1.06	1.09	1.02	**1.09**

Compression Resistance



Glasswool Supertel is a resilient insulation material which readily recovers to its nominal thickness after the removal of a normal compressive load.

When tested in accordance with ASTMC165-1983 'Measuring Compressive Properties of Thermal Insulation', Glasswool Supertel compresses under load as shown in the graph.

Sample Specification

Install Bradford Supertel™ ___mm in the ductlining.

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