



GLASSWOOL SUPERTEL (32KG/M³)

Introduction

Bradford Supertel is designed for internal insulation on HVAC ductwork. It also has many applications as a general insulation product to enhance both thermal and acoustic performance.

Product Description

Bradford Supertel is manufactured from a resilient engineered glasswool insulation blanket typically with an appropriate facing. The blanket is manufactured by spinning molten glass, containing up to 65% recycled content, into fine wool like fibres. These are bonded together using a thermosetting resin. The product can be identified by its golden appearance.

Applications

Supertel has been designed as a thermal and acoustic internal 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. Supertel comes in a range of thicknesses that meet the performance requirements as set out by the Building Code of Australia. Typical HVAC applications include;

- Offices
- High rise
- Hospitals
- Shopping centres etc

Benefits

- Lightweight insulation
- Easily handled
- High tensile strength
- Resists damage
- Maximum performance at minimal thickness
- Helps meet BCA Energy Efficiency provisions
- Provides both energy and cost savings
- Biosoluble material - safe to use
- Approved for use on site by the Unions

Available Facings

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

Thermfoil HD perf is the most common facing for duct lining while black tissues provides a higher level of acoustic performance and Acoustituff combines acoustic performance with cleanability.

Health and Safety

This product is manufactured to the latest Fibre Bio-Soluble (FBS-1) Glasswool formulation and is not classified as hazardous according to the criteria of the ASCC (formally NOHSC) guidelines. For further information refer MSDS sheet on Bradford website.

SKU Table

Base Blanket Material R-value	Nominal Thickness (mm)	Nominal Length (m)	Nominal Width (mm)	Pieces per Pack	Nominal Coverage per Piece (m ²)	Nominal Coverage per Pack (m ²)	Nominal Piece Weight (kg)	Nominal Pack Weight (kg)
R0.4	13	2.4	1200	16	2.9	46.1	1.2	19.2
R0.8	25	15	1200	1	18.0	18.0	14.4	14.4
R0.8	25	15	1500	1	22.5	22.5	18.0	18.0
R0.8	25	2.4	1200	10	2.9	28.8	2.3	23.0
R0.8	25	2.4	1500	10	3.6	36.0	2.9	28.8
R1.1	38	15	1200	1	18.0	18.0	21.9	21.9
R1.1	38	10	1500	1	15.0	15.0	18.2	18.2
R1.1	38	2.4	1200	6	2.9	17.3	3.5	21.0
R1.1	38	2.4	1500	6	3.6	21.6	4.4	26.3
R1.5	50	10	1200	1	12.0	12.0	19.2	19.2
R1.5	50	10	1500	1	15.0	15.0	24.0	24.0
R1.5	50	2.4	1200	5	2.9	14.4	4.6	23.0
R1.5	50	2.4	1500	5	3.6	18.0	5.8	28.8
R2.2	75	7.5	1200	1	9.0	9.0	21.6	21.6
R2.2	75	2.4	1200	3	2.9	8.6	6.9	20.7
R2.2	75	2.4	1500	2	3.6	7.2	8.6	17.3
R3.0	100	2.4	1200	2	2.9	5.8	9.2	18.4
R3.0	100	2.4	1500	2	3.6	7.2	11.5	23.0

GLASSWOOL SUPERTEL

Physical Properties

Density	kg/m ³	32
Maximum Service Temperature		Glasswool: 350°C; Facing 70°C
Thermal Conductivity	Based on measurements made in accordance with AS2464:5 part 5 and 6	
Fire Hazard Properties	When tested in accordance to AS/NZS 1530.3:1999	<ul style="list-style-type: none"> • Ignitability: 0 • Spread of flame: 0 • Heat Evolved: 0 • Smoke Developed: 0
Compressive Resistance	When tested under comprehensive load, in accordance with BS 2972:1975	
Corrosion Resistance	When tested in accordance with BS 3958.5:1969	pH 7.5-8.0 Incapable of corroding steel
Moisture Absorption	When left in an atmosphere of 50°C and 95% relative humidity for four days	Less than 0.2% by volume
AS4859 Compliance	Complies with AS/NZ4859.1 "Materials for the thermal insulation of buildings"	Complies
Sample Specification		The insulation material shall be Bradford Supertel Glasswool of thickness () mm faced with (Specify facing). For installation specifications refer to the relevant Application Brochure in the Bradford Insulation Building Literature series.

Sound Absorption

When tested in a reverberation chamber in accordance with AS 1045:1988

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