



# GLASSWOOL MULTITEL (18KG/M<sup>3</sup>)

## Introduction

Bradford Multitel is used for external insulation on HVAC ductwork.

## Product Description

Bradford Multitel is manufactured from an engineered glasswool insulation blanket typically faced with a reinforced foil. The blanket is manufactured by spinning molten glass, containing up to 80% 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

Multitel is a versatile flexible insulation material that is designed for the economic external insulation of heating, ventilating and cooling ductwork. Multitel comes in a range of thicknesses that meet the performance requirements as set out by the New Zealand Building Code. Typical HVAC applications include;

- Offices
- High rise
- Hospitals
- Shopping centres etc

Glasswool Multitel is fixed externally to duct work.

## Benefits

- Lightweight insulation
- Can be easily handled
- Meets NZBC performance requirements
- Easily forms the shape of the duct to be insulated
- Helps meet the energy efficiency requirements of the NZBC
- Provides both energy and cost savings
- Biosoluble material - safe to use

## Available Facings

Standard factory applied facings are available. Various grades of Thermofoil as well as black or plain glass tissue can be adhered to Multitel to meet needs of various application. Please contact the Bradford office with your requirements.

## 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)	Nominal Coverage (m <sup>2</sup> ) per Roll	Nominal Pack Weight (kg)
R0.7	25	15	1200	18	8.10
R1.0	38	15	1200	18	12.31
R1.3	50	10	1200	12	10.80
R1.5	55	10	1200	12	11.88
R2.0	75	7.5	1200	9	

Products not stocked in NZ may be subject to minimum runs. Please check with the Bradford office before ordering.

# GLASSWOOL MULTITEL

## Physical Properties

<b>Density</b>	kg/m <sup>3</sup>	18												
<b>Maximum Service Temperature</b>		Glasswool: 350°C												
<b>Thermal Conductivity</b>	Based on measurements made in accordance with AS2464:5 and AS2464:6	<table border="1"> <caption>Thermal Conductivity Data</caption> <thead> <tr> <th>Temperature (°C)</th> <th>Apparent Thermal Conductivity (W/m K)</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>0.038</td> </tr> <tr> <td>40</td> <td>0.040</td> </tr> <tr> <td>50</td> <td>0.042</td> </tr> <tr> <td>60</td> <td>0.044</td> </tr> <tr> <td>70</td> <td>0.048</td> </tr> </tbody> </table>	Temperature (°C)	Apparent Thermal Conductivity (W/m K)	30	0.038	40	0.040	50	0.042	60	0.044	70	0.048
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70	0.048													
<b>Fire Hazard Properties</b>	When tested in accordance to AS/NZS 1530.3:1999	<ul style="list-style-type: none"> <li>• Ignitability: 0</li> <li>• Spread of flame: 0</li> <li>• Heat Evolved: 0</li> <li>• Smoke Developed: 0</li> </ul>												
<b>Corrosion Resistance</b>	When tested in accordance with BS 3958.5:1969	pH 7.5-8.0												
<b>Moisture Absorption</b>	When left in a controlled atmosphere of 50°C and 95% relative humidity for four days	Less than 0.2% by volume												
<b>AS4859 Compliance</b>	Complies with AS/NZ4859.1 "Materials for the thermal insulation of buildings"	Complies												
<b>Sample Specification</b>		The insulation material shall be Bradford Multitel Glasswool of thickness ( ) mm faced with (Specify facing). For installation specifications refer to the relevant Application Brochure in the Bradford Insulation Building Literature series.												