

# FIREPRO CENTABUILD

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## Bradford™ Insulation

### Ultratel™ Glasswool

### Data Sheet

#### Product Description

Bradford Ultratel Glasswool is an insulation manufactured from glasswool bonded with a thermosetting resin that delivers superior thermal and acoustic performance.

#### Applications

Ultratel Glasswool is designed for the insulation of heating, air conditioning and cooling ducting systems that require a higher thermal and acoustic performance than standard insulation products. Ultratel Glasswool delivers superior

sound absorption and attenuation due to its higher density and rigid properties.

#### Standard Sizes and Packaging

Thickness (mm)	Size (mm)	Form	Items/Pack
25	10m x 1200	Blanket	1
25	2400 x 1200	Board	6
38	10m x 1200	Blanket	1
38	2400 x 1200	Board	3
50	7.5m x 1200	Blanket	1
50	2400 x 1200	Board	3
75	2400 x 1200	Board	2

Note: Not all products are available as stock items. Contact your Firepro Insulation office for stock availabilities, minimum order quantities and lead times.

Standard packaging is a polythene bag. Nominal weight per 25mm thickness is 1.2kg/m<sup>2</sup>.

#### Factory Applied Facings

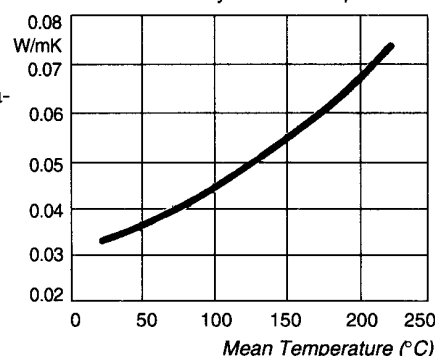
Standard factory applied facings are available. Various grades of Thermofoil as well as black or plain glass tissue can be adhered to Ultratel to meet the needs of the application.

#### Thermal Conductivity

0.031W/mK at 20°C mean

The thermal conductivity of Ultratel 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.

Thermal Conductivity x Mean Temperature



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## Fire Resistance

When tested in accordance with AS1530 Part 3-1989, Ultratel Glasswool has the following fire indices:

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

## Corrosion Resistance

Ultratel Glasswool is faintly alkaline and will not corrode steel. To maintain this condition, protection must be provided against contamination from external sources.

BS3958 Part 5—1986, Bradford Ultratel Glasswool has a pH of 7.5-8.0.

When tested in accordance with

## 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.

## Sound Absorption

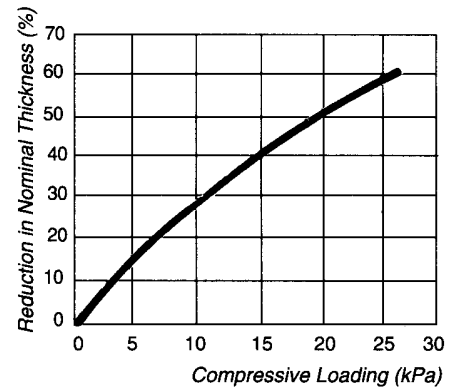
Bradford Ultratel Glasswool exhibits the following sound absorption coefficients when tested in accordance with AS1045-1971 'Measurement of Absorption

Coefficients in a Reverberation Room' (Mounting No. 4-Laid flat on floor):

Thickness (mm)	Facing	Frequency (Hz)								NRC
		125	250	500	1000	2000	4000	5000		
50	Nil	0.34	0.65	1.23	1.11	1.08	1.02	0.98	1.02	
75	Perforated Foil	0.69	1.19	1.15	1.09	1.03	0.92	0.90	1.11	

## Compression Resistance

Bradford Ultratel 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 ASTM C165-1983 'Measuring Compressive Properties of Thermal Insulation' Ultratel Glasswool compresses under load as shown in the graph.



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