



## TYPICAL PRODUCT PARAMETERS

	Durablanket AC	Durablanket AC <sub>2</sub>
<b>Typical Chemical Analysis (wt.%)</b>		
SiO <sub>2</sub>	53.0 - 58.0	52.0 - 58.0
Al <sub>2</sub> O <sub>3</sub>	42.0 - 47.0	-
Al <sub>2</sub> O <sub>3</sub> + ZrO <sub>2</sub>	-	42.0 - 48.0
Alkalis	<0.25	<0.25
Fe <sub>2</sub> O <sub>3</sub> + TiO <sub>2</sub>	<0.2	<0.2
<b>Physical Properties</b>		
Colour	White	White
Product density (kg/m <sup>3</sup> )	64	56
Classification Temperature (°C) *	1250	1250
Melting Point (°C)	1760	1740
Tensile Strength (kPa)	30	30
Airflow Resistance (mks rays/m)	15,000 - 30,000	15,000 (max)
<b>Thermal Conductivity (W/mK)</b>		
<b>Mean Temp.</b>		
400 °C	0.12	0.14
600 °C	0.19	0.20
800 °C	0.31	0.30
<b>Permanent Linear Shrinkage (%) 24 hour soak</b>		
1250 °C	<4.0	<4.0

\*Classification Temperature is not a definition of the operational limit of these products, especially when long term physical or dimensional stability is a factor. For certain applications continuous use temperature limits may be significantly reduced. For assistance or clarification please contact your nearest Unifrax Engineering office. Where appropriate Physical Properties data measured according to EN 1094-1.

## AVAILABILITY

Thickness (mm)	Durablanket AC	Durablanket AC <sub>2</sub>	Roll Length (m)
38	✓	✓	5.00
50	✓	✓	3.66

Standard roll width is 610mm

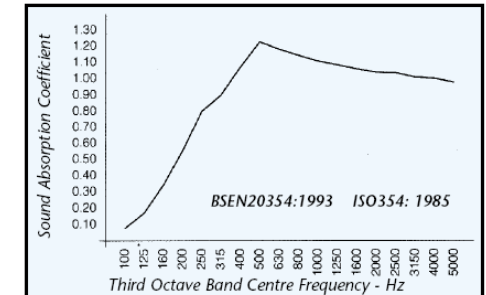
## HANDLING INFORMATION

A Material Safety Data Sheet has been issued describing the health, safety and environmental properties of this product, identifying the potential hazards and giving advice on handling precautions and emergency procedures. This must be consulted and fully understood before handling, storage or use.

## GRAPHS

Typical Acoustic Properties (Durablanket AC).

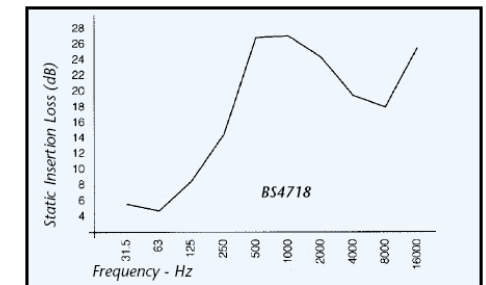
Random Incidence Sound Absorption Coefficient



Frequency Hz	125	250	500	1000	2000	4000	NRC*
Absorption Co-efficient	0.19	0.81	1.22	1.11	1.04	1.00	1.05

Measured on 50mm product \*(ASTM C423-66)

Static Insertion Loss on Attenuator Samples



Frequency Hz	31.5	63	125	250	500	1000	2000	4000	8000	16000
Static Insertion Loss dB	5.7	4.8	8.5	14.5	26.9	27.1	24.2	19.4	18.0	25.5

Supplied by:

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