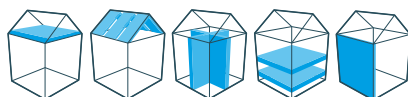


ULTRACOUSTIC -A/-AF

January 2018



APPLICATIONS



DESCRIPTION

Packaged as two separate 600mm ready-cut rolls for rapid and ease of installation into timber and metal structures or an un-cut foil faced option offering enhanced R-value. Ultracoustic -A/-AF is non-combustible.

PERFORMANCE

Thermal

R-value: 1.42 to 1.51m²K/W

Fire

Classification: EUROCLASS A1 to BS EN 13501-1.



Vapour resistivity

Water vapour resistivity: 5.00MNs/g.m.

BENEFITS

- ✓ Excellent sound absorption properties relative to thickness
- ✓ Lightweight, easy to install quickly
- ✓ Dimensions to suit studs and joists at 600mm centres or in full widths
- ✓ Friction fits between studs, ensuring continuity of the absorbent layer with no air gaps
- ✓ Designed to accommodate a wide range of applications

SPECIFICATIONS

Facing	Thickness (mm)	R-value (m ² K/W)		R-value (m ² K/W)		Length (mm)	Width (mm)	Area per pack (m ²)	NRC
None	50	1.51		1.60		5.00	1200 (2x600)	6.00	0.88
Foil Faced	50	1.42		1.40		8.10	1200	9.72	

All dimensions are nominal



South African R-values calculated assuming 23°C mean temperature.



Euro R-values based on 10°C mean temperature, calculated according to requirements of A90:90 for declaring thermal performance and following the European norm standard including audited factory production control.

CERTIFICATION



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ADDITIONAL INFORMATION

Durability

Ultracoustic -A/-AF is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Application

Manufactured at higher density to offer superior acoustic performance for internal building elements such as:

- partitions
- suspended ceilings
- separating floors
- lofts (ceilings and rafter level)
- external wall systems

Used in areas demanding greater privacy such legal or medical consultation chambers, boardrooms and cinemas.

Standards

Ultracoustic-A/-AF is manufactured in accordance with BS EN 13162, EN 50001 Energy Management Systems, OHSAS 18001 Occupational Health and Safety Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by Bureau Veritas.

Environmental

Ultracoustic -A/-AF represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

Vapour resistivity

Ultracoustic -A/-AF offers negligible resistance to the passage of water vapour and has a vapour resistivity of 5.00MNs/g.m.

Handling and storage

Ultracoustic A/AF is easy to handle and install, being lightweight and easily cut to size, where necessary. It is supplied in polythene packs which are designed for short term protection only. For longer term protection on site, the product should be stored either indoors, or under cover and off the ground. Ultracoustic A/AF should not be left permanently exposed to the elements.



Knauf Insulation mineral wool products made with ECOSE Technology® benefit from a no added formaldehyde binder, which is up to 70% less energy intensive than traditional binders and is made from rapidly renewable bio-based materials instead of petroleum-based chemicals. The technology has been developed for Knauf Insulation's glass and rock mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Insulation products made with ECOSE Technology® contain no dye or artificial colours.

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