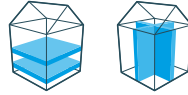


ACOUSTIC SLAB ULTIMATE

November 2018

APPLICATIONS



DESCRIPTION

Acoustic Slab Ultimate is a rigid slabs of non-combustible, high absorbent acoustic glass mineral wool. Suitable for cinemas, conference halls and meeting rooms.

PERFORMANCE

Acoustic

Acoustic absorption: 0.65 and 1.00 NRC

Euroclass A1 to BS EN 13501-1 (Unfaced)

Fire

Classification: Acoustic Slab Ultimate does not exceed 25 Flame Spread, 50 Smoke Developed when tested in accordance with ASTM E84. (WGF)

Vapour resistivity

Water vapour resistivity: 5.00MN/g.m

BENEFITS

- ✓ Excellent sound absorption properties
- ✓ Lightweight, and easy to install
- ✓ Dimensioned to suit studs with 600mm centres
- ✓ Low emitting for indoor air quality considerations

SPECIFICATIONS

Facing	Thickness (mm)	Length (m)	Width (mm)	Area per pack (m ²)	Thermal conductivity (W/mK)	Thermal resistance (m ² K/W)	Density kg /m ³	Slabs per pack
UNFACED	50	1.2	600	4.32	0.031	1.61	48	6
WGF	50	1.2	600	4.32	0.031	1.61	48	6
UNFACED	25	1.2	600	8.64	0.031	0.81	48	12

One roll per pack. All dimensions are nominal.

SOUND ABSORPTION COEFFICIENTS (ASTM C423 - MOUNTING TYPE A AS PER ASTM E795)

Density (kg/m ³)	Thickness (mm)	Absorption Coefficient of one-third octave Band center Frequency Hz						
		125	250	500	1000	2000	4000	NRC
48	50	0.29	0.65	1.11	1.13	1.06	1.03	1
	25	0.08	0.23	0.62	0.88	0.96	0.99	0.65

CERTIFICATION



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ADDITIONAL INFORMATION

Application

Acoustic Slab Ultimate is designed specifically to fulfil the maximum acoustic requirements of cinemas, conference halls and meeting rooms for enhanced sound absorption and acoustic performance.

Durability

Acoustic Slab Ultimate is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Standards

Acoustic Slab Ultimate is manufactured in accordance with BS EN 13162, OHSAS 18001 Occupational Health and Safety Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by Bureau Veritas.

Certification

Acoustic Slab Super are certified under UL 723, DCL Product Conformity, EUCEB for conformity of fibres produced with the requirements of Note Q of the Regulation (EC) No 1272.2008 of EP and EC, EUROFINS Indoor Air Quality Gold, SASO Product Conformity.

Environmental

Acoustic Slab Ultimate represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

Handling and storage

Acoustic Slab Ultimate is easy to handle and install, being lightweight and easily cut to size, where necessary. It is supplied enclosed in polythene which is 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. Acoustic Slab Ultimate 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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