

FAÇADE SLAB 32 ULTIMATE

November 2018



APPLICATIONS



DESCRIPTION

A semi-rigid, non-combustible glass mineral wool slab with no-added formaldehyde, water repellent binder, suitable for curtain wall or rainscreen cladding applications requiring thermal and acoustic performance. The FS moisture barrier does not contain combustible Kraft paper which improves the insulation's resistance to fire.

PERFORMANCE

Thermal

Conductivity: 0.032W/mK at 25 C

Fire

Classification: Euroclass A2-s1-d0 to BS EN 13501-1

BENEFITS

- ✓ Lightweight but rigid and robust
- ✓ Non-combustible
- ✓ Designed to adapt to minor imperfections in substrates
- ✓ Excellent moisture resistance

SPECIFICATIONS

Facing	Thickness (mm)	Length (m)	Width (mm)	Area per pack (m ²)	Thermal Conductivity (W/m.K)	R Value (m ² .K/W)	Density kg /m ³	Slabs per pack
FS	100	1.20	1000	3.60	0.032	3.125	36	3
FS	50	1.20	1000	7.20	0.032	1.56	36	6

All dimensions are nominal.

CERTIFICATION



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ADDITIONAL INFORMATION

Application

Façade Slab 32 Ultimate has a low thermal conductivity of 0.032 W/m.K and is non-combustible rigid insulation slab with added water repellent binder. Ideal for all building types from low to high-rise.

Standards

Façade Slab 32 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

Façade Slab 32 Ultimate are certified under 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.

Durability

Façade Slab 32 Ultimate is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Environmental

Façade Slab 32 Ultimate represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

Water Vapor Permeance

Façade Slab 32 Ultimate have a maximum water vapor permeance of 0.02 perms as per ASTM E96, Procedure A.

Thermal Performance

The U-value of a proprietary rainscreen and curtainwall cladding system is dependent on the degree of thermal bridging in the system. Calculations produced by Knauf Insulation's Technical Services Department are as per Dubai Municipality and ESTIDAMA norms.

Facade Slab 32 Ultimate is listed on Dubai Municipality U-Value calculation sheet under layer reference code 06.079.14

Handling and storage

Façade Slab 32 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. Façade Slab 32 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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