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FACTORY CLAD 41

November 2018

APPLICATIONS

with ECOSE TECHNOLOGY

DESCRIPTION

A resilient, flexible unfazed blanket insulation made from Glasswool bonded by thermosetting resin. The blanket is suitable for application of facings and has sufficient tensile and bond strength for normal handling by the laminator and contractor. Faced with a vapor retarder, it can be installed in exterior wall surfaces of pre-engineered buildings.

PERFORMANCE

Thermal	
Conductivity:	0.041W/mK at 25 C
Fire	
Classification:	Does not exceed 25 Flame Spread, 50 Smoke Developed when tested in accordance with ASTM E84. (FSK)

BENEFITS

- Exceptionally high tear strength
- Provides thermal and acoustic performance
- Cost effective
- Lightweight, easy to handle and install

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	Rolls per pack
WMP 10	100	10	1000	10	0.041	2.43	12	1
FSK	100	10	1100	11	0.041	2.43	12	1
WMP 10	50	20	1000	20	0.041	1.22	12	1
WMP VR	50	20	1000	20	0.041	1.22	12	1
FSK	50	20	1100	22	0.041	1.22	12	1

All dimensions are nominal.

CERTIFICATION

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ADDITIONAL INFORMATION

Application

FactoryClad 41 are used for the thermal and acoustic insulation of roofs in profiled metal clad buildings and portable buildings. FactoryClad 41 are manufactured 1100mm wide to suit commonly used rail and bracket systems and in long lengths, making them particularly suitable for use in twin skin profiled metal cladding systems and standing seam roofs.

Standards

FactoryClad 41 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.

Standards

FactoryClad 41 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.

Durability

FactoryClad 41 is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Environmental

FactoryClad 41 represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

Water Vapor Permeance

Factory Clad 41 (FSK) have a maximum water vapor permeance of 0.02 perms as per ASTM E96, Procedure A.

Factory Clad 41 (WMP10) have a maximum water vapor permeance of 0.02 perms as per ASTM E96, Procedure A.

Handling and storage

FactoryClad 41 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. FactoryClad 41 should not be left permanently exposed to the elements.

with ECOSE® TECHNOLOGY

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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