

## ENCAPSULATED CEILING INSULATION

November 2018



### APPLICATIONS



### DESCRIPTION

Designed for use above standard steel metal panels Encapsulated Ceiling Insulation is a semi-rigid slabs of non-combustible, high absorbent glass mineral wool.

### PERFORMANCE

#### Acoustic

Classification: \_\_\_\_\_ Ranging from 0.60 to 0.85 NRC

### BENEFITS

- ✓ Excellent sound absorption properties
- ✓ Lightweight, and easy to install
- ✓ Low emitting for indoor air quality considerations
- ✓ Packaged in a strong, black poly bag that offers excellent protection from abuse, dust and moisture

### SPECIFICATIONS

Facing	Thickness (mm)	Length (m)	Width (mm)	Area per pack (m <sup>2</sup> )	Thermal Conductivity (W/m.K)	R Value (m <sup>2</sup> .K/W)	Density kg /m <sup>3</sup>	Slabs per pack
ENC	50	0.6	600	0.36	0.85	1.43	24	1
ENC	25	0.6	600	0.36	0.60	0.71	24	1

All dimensions are nominal.

### CERTIFICATION



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### ADDITIONAL INFORMATION

#### Application

Encapsulated Ceiling Insulation provide a cost-effective thermal and acoustical barrier for energy-efficient construction. The consistent quality, low dust, and clean-cutting resilient glasswool makes installation fast.

#### Standards

Encapsulated Ceiling Insulation 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

Encapsulated Ceiling Insulation 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

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

#### Environmental

Encapsulated Ceiling Insulation represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

#### Handling and storage

Encapsulated Ceiling Insulation 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. Encapsulated Ceiling Insulation 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.

#### Knauf Insulation LLC

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