



CEILING INSULATION

the ideal barrier to thermal and sound transmission



Test Reports

Test reports by the South African Bureau of Standards (SABS 1381 Part 1: Fibre thermal insulation mats) and SANS 10177 Part 5 are available on request.

Thermal Properties

Everite Ceiling Insulation exhibits **low thermal conductivity** - a measure of a material's ability to conduct / transfer heat (K-value). Low thermal conductivity is ideal when reduced heat build-up in summer and heat loss in winter is required.

Everite Ceiling Insulation in its finished form comprises many pockets of cell like fibre structures which contain air. The material's ability to resist the flow of heat through it (R-Value) is also attributed to stable (dense) non moving entrapped air. Air is recognised as a poor conductor and presents a perfect insulation barrier. The higher the R-Value the better the material's ability to resist the flow of heat.

Mechanical, Physical and Thermal Properties

Roll Size Length x Width mm	Thickness mm	Density kg/ m ³	Thermal conductivity* W/(m.K) K-Value	Thermal resistance m ² .K/W R-Value	Thermal conductance W/m ² .K U-Value	Roll Mass kg
10000 x 1200	50	12.24	0.0451	0.8869	1.1275	6.0
7000 x 1200	100	10.21	0.0420	1.6671	0.5998	6.6
6000 x 1200	130	8.41	0.0449	1.5570	0.6420	7.0

* Thermal conductivity tested according to ASTM C518 and T0178-WI-015. Report No's. 2020.5553-1/2/3

Features

- Packed in compressed rolls allowing for easy handling and storage.
- Lightweight and easy to transport and install.
- Manufactured from recycled PET (Polyethylene terephthalate (PET) is safe plastic used for beverage bottles.)
- Hygienic, safe and odourless. No irritating itching from fibres.
- Suitable as insulation to all types ceilings and as a top up over existing applications.
- Compatible with all types of building materials.
- Non corrosive action with steel, copper or aluminium.
- Non-hygroscopic, does not absorb moisture.
- Will not breed or promote fungi.
- Will not sustain rodents or vermin.

Installation guidelines

- Measure the distance between the timber roof trusses.
- Cut the Ceiling Insulation while still in the bag to the correct width to fit the space between the roof trusses.
- Roll out the Ceiling Insulation between the roof trusses on top of the ceiling.
- Lay the Ceiling Insulation under any wiring and cut round down lighters to prevent over heating of light fitting.
- Wrap off-cuts around pipes to prevent freezing during winter.

Safety Precautions

- Wear a dust mask during installation.
- Be careful not to step onto the ceiling board as you may damage the board or fall through the ceiling.
- Combustible. No ignition up to 400°C. Tests conducted show that the material shrinks away from the fire source at such a rate that it could not ignite.



Specially produced for Everite (Pty) Ltd., Heidelberg Road, Kliprivier, Gauteng, South Africa.

Produced in the Republic of South Africa

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