



Energylite[®]

Glasswool: a range of commercial & industrial batts & blankets





Energylite® is an industrial Glasswool insulation product manufactured in batts and rolls.

TECHNICAL DATA SHEET



ENERGY SAVING

DESCRIPTION

Energylite® is manufactured from non-combustible Glasswool, bonded with an inert thermosetting resin to form a strong resilient product. It is odourless, inert and fully compatible with all standard building materials and components.



NON-COMBUSTIBLE

QUALITY MANAGEMENT SYSTEM

Isover products are manufactured according to ISO 9001:2015.



THERMAL COMFORT

ENVIRONMENTAL SUSTAINABILITY

Isover products are manufactured according to ISO 14001:2015.

Less material, less energy and less emissions

- Zero ozone depleting potential (ODP)
- Zero global warming potential (GWP).



SOUND INSULATION & ABSORPTION

FEATURES & BENEFITS

- Energy saving
- Available in a variety of thicknesses and densities to suit the application
- Safe application and use
- Long product life
- Exceptional acoustic and thermal properties.

THERMAL PROPERTIES

Significantly reduces heat gain and loss.

FIRE PROPERTIES

Non-combustible - tested to SANS 10177 Part 5.

ACOUSTIC PROPERTIES

Offers exceptional acoustic properties and enhances indoor environmental quality by absorption of noise. Energylite® greatly reduces sound transmission to and from a room or building.

APPLICATIONS

- A range of batts and blankets for thermal and acoustic control in commercial buildings
- An industrial thermal insulation for applications up to 350°C
- Conservation and control of heat in boilers, tanks, ductwork, ovens, etc
- Acoustical correction in compressor houses and machine rooms.

DURABILITY

- Odourless, inert and fully compatible with all standard building materials and components

- Will not promote corrosion of steel, copper or aluminium
- Will not sustain vermin
- Will not breed or promote fungi, mould or bacteria
- Dust settlement will not hamper the product's performance
- Prevents condensation on cold surfaces protecting underlying materials.

INSTALLATION INSTRUCTIONS

Please refer to our technical solutions centre for installation instructions.

HANDLING & STORAGE

Store product under cover and in dry conditions. Store flat. Handle with care, especially on the edges and corners, which can be damaged if subject to sharp or heavy impact. Do not apply excessive pressure, for example by standing or sitting on the product, as permanent damage may be caused.

PHYSICAL PROPERTIES

Product Name	Density (kg/m ³)	Boards		Qty/Pack (Batts)	Rolls		K-value (W/m.k)	R-value (m ² /K.W)	Noise Reduction Coefficient (NRC)
		Thickness (mm)	Dimensions (mm)		Dimensions (mm)	Qty/Pack (Rolls)			
Energylite® 24	24	25	1200 x 600	30	10000 x 1200	1	0.036	-	0.69
		40	1200 x 600	20	8000 x 1200	1	0.036	1.11	-
		50	1200 x 600	20	5000 x 1200	1	0.036	1.39	0.90
		75	1200 x 600	15	3000 x 1200	1	0.036	2.08	-
		100	1200 x 600	5	N/A	N/A	0.036	2.78	-
Energylite® 47.5	47.5	25	1200 x 600	25	10000 x 1200	1	0.032	0.78	-
		40	1200 x 600	15	8000 x 1200	1	0.032	1.25	-
		50	1200 x 600	15	5000 x 1200	1	0.032	1.56	0.95
Energylite® 64	64	25	1200 x 600	25	N/A	N/A	0.032	0.78	-
		40	1200 x 600	15	N/A	N/A	0.032	1.25	-
		50	1200 x 600	10	N/A	N/A	0.032	1.56	1.00

THERMAL CONDUCTIVITY (According to EN 12 667)

	T (°C)	100	200	300	350
Energylite® 47.5	(W/(m.K))	0.040	0.060	0.087	0.104

Max. Service Temp.

	MST under 250Pa*
Energylite® 47.5	350°C

*According to EN 14 706

ARCHITECTURAL SPECIFICATION

Install (25/40/50/75/100) mm thick non-combustible, lightweight "Energylite®" Glasswool insulation blanket/batts of (24/47.5/64) kg/m³ density for heat and/or acoustic control. Install in accordance with industry best practice.



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