



# Energylite

## Glasswool: A range of commercial & industrial batts & blankets

### DESCRIPTION

Energylite is manufactured from non-combustible Glasswool bonded with an inert thermosetting resin to form a strong resilient product. Available in batts and blankets.

### QUALITY MANAGEMENT SYSTEM

Isover products are manufactured according to ISO 9001:2000.

### FEATURES & BENEFITS

- Life long energy savings
- Available in a variety of thicknesses & densities to suit the application
- Safe application and use
- Long product life
- Exceptional acoustic and thermal properties

### THERMAL PROPERTIES

Significantly reduces heat gains & losses.

### FIRE PROPERTIES

- All low binder Glasswool products are inherently non-combustible
- Non-combustible - tested to SANS 10177 Part 5
- Tested to ASTM E-84
  - Flame Spread Index: 10
  - Smoke Development Index: 5

### ACOUSTIC PROPERTIES

Offers exceptional acoustic properties & 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 & blankets for thermal and acoustic control in commercial buildings.
- An industrial thermal insulation for applications up to 450 °C
- Conservation & control of heat in boilers, tanks, ductwork, ovens, etc.
- Acoustical correction in compressor houses and machine rooms

### DURABILITY

- Odourless, inert & fully compatible with all standard building materials & components
- Will not promote corrosion of steel, copper or aluminum
- Will not sustain vermin
- Will not breed or promote fungi, mould or bacteria.
- Non-hygroscopic
- Dust settlement will not hamper the products performance
- Prevents condensation on cold surfaces protecting underlying materials



**ISOVER**

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## PHYSICAL PROPERTIES

Density (kg/m <sup>3</sup> )	Thickness (mm)	Boards		Rolls		Thermal Conductivity (m <sup>2</sup> K/W)	R-Value	Noise Reduction Coefficient (NRC Value)
		Dimensions (mm)	Qty/Pack (Batts)	Dimensions (mm)	Qty/Pack (Rolls)			
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	-
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
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
96	25	1200 x 600	10	N/A	N/A	0.033	0.76	0.80

### INSTALLATION INSTRUCTIONS

Please refer to our technical solutions centre for installation instructions.

### HANDLING & STORAGE

Store product undercover, 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.

### ARCHITECTURAL SPECIFICATION

Install (25/40/50/75/100)mm thick non-combustible, lightweight "Energylite" Glasswool insulation blanket/batts of (24/47.5/64/96)kg/m<sup>3</sup> density for heat and/or acoustic control. Install in accordance with industry best practice.

*Isover reserves the right to alter or amend product specification without notice. The information given in this publication is correct to the best of our knowledge at the time of publication. Whilst Isover will endeavour to ensure publications are up to date, it is the users' responsibility to check with us that it is correct prior to use.*