

## Crimp Wrap

Flexible glass mineral wool mat, manufactured to give increased compression resistance, providing thermal and acoustic insulation in a wide range of applications.

### Applications:

Insulation of ducts, tanks, storage vessels and large diameter pipes.



### Description

ISOVER Crimp Wrap is a flexible glass mineral wool mat, with increased compression resistance.

The unique variably orientated fibres provide compression resistant qualities normally found in dense mineral wool slab products, but the product remains flexible enough to wrap around curved walls of vessels.

The product is supplied in roll form and is faced with a strong reinforced aluminium foil.

The use of ISOVER Crimp Wrap eliminates the potential for wastage caused by strip delamination during fabrication and installation normally associated with lamella mats. In addition, ISOVER Crimp Wrap offers up to 24% superior thermal performance compared to lamella products.

### Standards

ISOVER Crimp Wrap is manufactured under Quality Management Standard EN ISO 9001:2000.

It can be used in accordance with the performance requirements and application standards of BS5422: 2001 'Method for specifying thermal insulating materials on pipes, ductwork and equipment'. (In the range -40 to +700°C).  
BS5970: 2001 'Code of practice for the thermal insulation of pipework and equipment'. (In the range -100 to +870°C).

### Fire Classification

The base mineral wool of ISOVER Crimp Wrap achieves Euroclass A1 fire rating when classified in accordance with BS EN 13501-1. Additionally, the factory applied foil facing is rated Class 'O' to the Building Regulations.

### Service Temperature

ISOVER Crimp Wrap is suitable for use in applications operating with a service temperature of up to 230°C.

For use between 230°C and 400°C, please contact our Technical Advice Centre. The temperature of the aluminium foil facing should not exceed 80°C.

### Benefits

- Superior compression resistance.
- Up to 24% superior thermal performance compared to lamella mat.
- Greater roll cover per thickness compared with lamella.
- Superior acoustic performance compared to lamella and foam plastic products.
- A chemically neutral product that ensures compatibility with all copper, steel and aluminium plant and equipment.
- Easy to use and handles and minimises waste.

### Durability

- Odourless, inert and fully compatible with all standard materials and components.
- Will not accelerate corrosion with steel, copper or aluminium.
- Will not sustain vermin, nor breed or promote fungi or bacteria.
- Will not slump or consolidate in normal application.

### Ecological Information

ISOVER Crimp Wrap is made from glass mineral wool, one of the most environmentally friendly materials available.

**Sustainable.** ISOVER Crimp Wrap is manufactured from silica sand, the earth's most abundantly occurring mineral and a sustainable, infinite resource.

**Recyclable.** Approximately 80% of the raw material used in the production of ISOVER Crimp Wrap is recycled, far more than any comparable product. The recycled material can be post-consumer glass (from housing generation projects) or waste glass from bottle and flat glass manufacture, which would otherwise go to landfill.

**Environmental.** The manufacturing process does not use or contain CFC's, HCFC's or other damaging gases - nor has it ever. In addition, the unique resilience of ISOVER glass mineral wool enables high compression packing which means more insulation in a smaller space than almost any other insulant. The result is better vehicle utilisation, reducing the environmental impact of transportation.

## Product Performance & Characteristics

### Thermal Conductivity

Mean Temperature °C	Thermal Conductivity W/m.K
10	0.034
50	0.039
75	0.044
100	0.049
125	0.055
150	0.061
200	0.077

### Isospec

For assistance in specifying ISOVER Crimp Wrap, use the Isospec programme. Visit [www.isover.co.uk](http://www.isover.co.uk) to request your free copy.

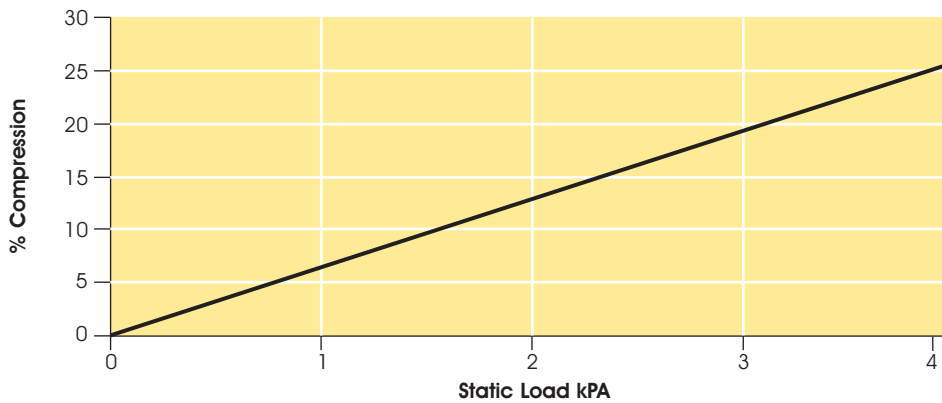


### Water vapour permeance

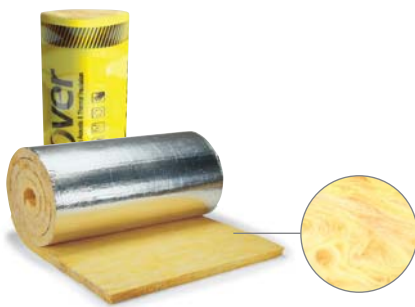
The water vapour permeability of the aluminium, factory applied foil covering on Crimp Wrap is 0.00024 g/s.MN.

### Compression strength

Crimp Wrap has a high compressive strength, as shown in the following graph.



## Product Dimensions



Improved compression achieved through unique fibre orientation.

Thickness (mm)	Roll Width (m)	Roll Length (m)	m <sup>2</sup> /roll
30	1.20	8.15	9.78
40	1.20	9.50	11.40
50	1.20	7.50	9.00
60	1.20	6.30	7.56
80	1.20	4.70	5.64
100	1.20	3.75	4.50

ISOVER Crimp Wrap is manufactured in 1.2m widths and in a range of thicknesses to enable compliance with BS5422 and beyond. The product is supplied in strong polythene packaging which is clearly labelled and colour coded for ease of identification.

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