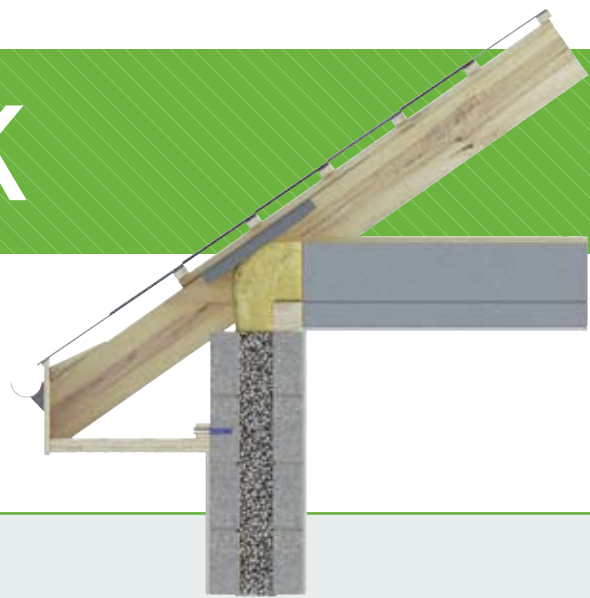


# KOREPACK

KORE Pack is an attic insulation flooring system.



## Description

KORE Pack insulation is specifically designed to allow householders to insulate the floor of their attic and still use the space for storage. The KORE Pack is firm enough to walk on while maintaining its depth of insulation. The product has a level of flexibility built in to guarantee it can be installed very easily. Once laid the attic surface will be ready for covering to be laid without the need for further battening. The product is clean and safe and no protective clothing is required during installation. Once installed KORE Pack gives a lifetime of safe effective insulation.

### KORE Advantages

Excellent thermal properties, Insulated attic space facilitating storage, very simple and safe to install, durable and rot proof.

### U-Values

Contact Airpacks technical department for further U-Value calculations. (Calculation method I.S. EN ISO 6946.)

Thermal Conductivity (W/mK)	KORE Pack
	<b>U-Value 0.16W/m<sup>2</sup>K</b>
0.037	225mm
0.034	210mm
0.030	190mm
	<b>U-Value 0.12W/m<sup>2</sup>K</b>
0.037	300mm
0.034	275mm
0.030	250mm

### Dimensional Table

	Variable width panels
Length	1200mm
Thickness	To suit joist design
Width	To suit rafter design centre with compression of 25mm in design width

### Physical Properties

Properties	Units	Density	
		kg/m <sup>3</sup>	15–20 Standard
<b>White EPS</b>			
Thermal Conductivity	W/mK	0.037	0.034
Compressive Strength	kPa	>95	>211
Bending Strength	kPa	>171.70	>377.10
Dimensional Strength	DS(n)	2	2
<b>Silver EPS</b>			
Thermal Conductivity	W/mK	0.030	0.028
Compressive Strength	kPa	>95	>211
Bending Strength	kPa	>171.70	>377.10
Dimensional Strength	DS(n)	2	2

### Installation

- An effective seal should be provided around the loft access hatch and a vapour control layer should be considered if the roof pitch is less than 15 per cent or where the shape of the roof is such that there is difficulty in ensuring that ventilation is sufficient.
- KORE Pack should be squeezed between the joists where it will widen for a tight fit.
- The sheets can be easily cut to size with a fine tooth saw or hot wire cutter to accommodate services. Each sheet is ship lapped on the upper layer to minimise cold bridging. All pipe work on the cold side of the insulation should be insulated.
- Along the eaves it is recommended that fibreglass is packed into areas which are inaccessible for accurate fitting of KORE Pack.
- The area under the cistern should be left uninsulated but its top and sides must be insulated.
- Electrical cables running within the KORE Pack product should be separated from it by enclosing them with a suitable conduit e.g. rigid PVC, as outlined in the National Rules for Electrical Installations section 522.5.3. Cables should be installed so that they can be located above the insulation.
- When starting boards are being laid, a batten should be nailed to the top of the ceiling joist, to support the sheet.
- After installing the KORE Pack product, lay sheets of plywood across the insulation to provide a finished floor. All covering sheets should be laid in accordance with relevant standards.

### CERTIFICATION

KORE Lock successfully received IAB Certification proving compliance with Building Regulations 1997–2007. Certificate Number 05/0234.



## ADDITIONAL PRODUCTS

The Airpacks manufacturing facility has the capacity to produce an extensive range of specialised Expanded Polystyrene (EPS) products. We can manufacture many different grades of EPS material and cut and shape the material to virtually any size.

Over the years we have produced specialised products for a number of different applications; promotional, furnishing, marine, cabins, concrete flooring, safety, packaging, sporting, and civil engineering.

### KORE Linear Dry Lining System

Airpacks KORE Linear Dry lining System is available in a wide range of insulation thicknesses and plasterboard specifications. The system is ideal for increasing thermal performance in both new and existing buildings.

### Packaging

EPS is a safe, affordable and environmentally responsible method of packaging goods. The product is lightweight and has excellent absorbency properties. Airpacks Ltd can profile cut a large range of shapes to suit almost any application.

### Loose Bead and Furnishing

Airpacks Ltd loose bead is the ideal solution for bean bag filling. Our loose bead filling is available in a large size bead with a fire retardant additive.

### Void Formers

Airpacks Void formers are used extensively in civil engineering applications such as motorways, underpasses, foundation and embankments. EPS blocks are cut to size to suit individual site conditions. EPS is the choice of many professionals as it can reduce the deadweight of a variety of structures, has excellent load bearing qualities and it will not absorb water and therefore not affect the quality of any adjacent materials.

### Precast Concrete Void Formers

Airpacks EPS Void Formers provide the ideal solution for precast concrete products. The concrete is poured around pre-moulded EPS shapes which are cut specifically to size. The EPS will minimise the concrete weight while not compromising the concrete strength.

### Specialised Profile Cut EPS

Regardless of the size and shape required, Airpacks Ltd has the manufacturing facilities to cut specialised, one off orders.

### Safety Mattress Fall Arrest System

Airpacks Ltd produces two alternative types of Safety Mattress System:

- Airpacks Safety Mattress: Polystyrene filled tough woven polypropylene bags.
- Fall-Pac Safety Mattress: Air filled foam cylinders protected with a tough woven polypropylene bag.

Description	Length (m)	Diameter (m)	Coverage (m <sup>2</sup> )
Full Bag	2.5	0.64	1.60
Half Bag	1.25	0.64	0.80