



November 2013

## Klima Duct Board KDB 033

formerly known as Earthwool® Duct Slab

### Description

Klima Duct Board KDB 033 is manufactured from non-combustible, inorganic rock mineral wool to provide a robust slab of 45 kg/m<sup>3</sup> nominal density with high thermal efficiency. It is supplied with a factory applied A2 reinforced aluminium foil facing.

### Application

Klima Duct Board KDB 033 is recommended specifically for the thermal insulation of square and rectangular ductwork and equipment at a temperature up to 250° C.

- square ductwork
- rectangular ductwork

Note: The aluminium facing can be exposed to temperatures up to 80 °C.

### Performance

#### Fire behaviour

Klima Duct Board KDB 033 is classified as non-combustible to class A2.

#### Acoustic insulation

In combination with a suitable cladding material, it provides an excellent basis for reducing noise breakout from ductwork and equipment.

#### Thermal insulation

Klima Duct Board KDB 033 has a thermal conductivity of 0,033 W/mK at 10 °C.

### Benefits

- Excellent thermal and acoustic properties
- Non-combustible
- Easy to cut, handle and install

# Klima Duct Board KDB 033

Properties	Symbol	Description/Data			Unit	Test method/ Standards
Maximum service temperature	ST (+)	250*			°C	EN 14706
Thermal conductivity in relation to temperature	ϕ	10	50	100	°C	EN 12667
	λ	0,033	0,040	0,047	W/(m.K)	
Reaction to fire	–	A2			–	EN 13501

\*The aluminium facing can be exposed to temperatures up to 80 °C. AS-Quality on request.

Nominal thickness 40 and 50mm.

**For delivery programme, please refer the latest pricelist.**

## Handling & storage

Klima Duct Board KDB 033 is easy to handle and install, being lightweight and easily to cut to size, where necessary. It is supplied in polyethylene packs which are designed for short term protection only. For longer term protection on site, it is recommended to store the product either indoors, or under cover and off the ground.

Product information is mentioned on every pack.

Klima Duct Board KDB 033 should not be left permanently exposed to the elements.

## About ECOSE® Technology

Knauf Insulation mineral wool products with ECOSE® Technology benefit from a formaldehyde-free binder made from rapidly renewable bio-based materials instead of petroleum-based chemicals which is up to 70% less energy intensive. The technology has been developed by Knauf Insulation's glass and rock mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Insulation products made with ECOSE® Technology contain no dye or artificial colours - the colour is completely natural.



## Knauf Insulation Ltd

PO Box 10  
Stafford Road  
St Helens  
Merseyside  
WA10 3NS

## Customer Service (sales)

Tel: 0844 800 0135

## Technical Advice and Support Centre

Tel: 01744 766 666

## Literature

Tel: 08700 668 660

## Headoffice Technical Solutions Europe

Knauf Insulation GmbH  
Parking 15-17  
D-85748 Garching bei München

## Production Plant

Knauf Insulation Ltd  
Chemistry Lane  
CH5 2DA Queensferry, Flintshire  
United Kingdom



[www.knaufinsulation-ts.com](http://www.knaufinsulation-ts.com)