



November 2013

## Klima Duct Roll KDR 033

formerly known as Earthwool® Duct Roll

### Description

Klima Duct Roll KDR 033 is a strong, flexible roll of non-combustible, glass mineral wool with an aluminium foil facing on one side.

### Application

Klima Duct Roll KDR 033 is used for the thermal and acoustic insulation of all shapes of ductwork in heating, ventilating and airconditioning systems and is suitable for all shapes of ductwork including:

- square ductwork
- rectangular ductwork
- circular, oval and flat-oval ductwork

### Performance

#### Thermal insulation

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

#### Fire behaviour

Klima Duct Roll KDR 033 is classified as non-combustible to class A2.

#### Acoustic behaviour

Klima Duct Roll KDR 033 has excellent sound absorption characteristics.

### Benefits

- Excellent thermal, acoustic and fire performance
- Easy to handle and install
- Foil facing provides a bright, washable surface and a high level of water vapour resistance.

# Klima Duct Roll KDR 033

Properties	Symbol	Description / Data			Unit	Test method/ Standards
Maximum service temperature	ST (+)	230			°C	EN 14706
Reaction to fire	–	A2			–	
Heat conductivity Air inside duct (ambient 20°C)	ϑ	10	50	100	°C	
	λ	0,033	0,041	0,050	W/(m·K)	

\*The aluminium facing can be exposed to temperatures up to 80 °C.

Nominal thickness 25, 40, 50 mm.

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

## Handling & storage

Klima Duct Roll KDR 033 is easy to handle and install. It is supplied in polythene packs which are designed for short term protection only. For longer term protection on site, the product should either be stored indoors, or under cover and off the ground. Klima Duct Roll KDR 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 for 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.



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## Customer Service (sales)

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## Literature

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## Production Plant

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