



April 2016

Climacoustic® Duct Roll

Description

Climacoustic Duct Roll is a strong, flexible roll of non-combustible, glasswool with an aluminium foil facing on one side.

Application

Climacoustic Duct Roll 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 conductivity

ASTM C518 and AS/NZS4859.1: 2002

Combustibility (AS1530.1)

- Non - Combustible
- Fire Hazard Properties (AS1530.3)
- Ingibility: 0
- Spread of flame: 0
- Heat Evolved: 0
- Smoke developed: 0-1

Acoustic behaviour

Climacoustic Duct Roll 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.

Climacoustic®



Climacoustic® Duct Roll

Properties	Symbol	Description / Data			Unit	Test method/ Standards
Maximum service temperature	ST (+)	230			°C	EN 14706
Non-combustible	–	AS1530.1			–	
Heat conductivity Air inside duct (ambient 20°C)	ϑ	15	50	100	°C	
	λ	0,034	0,041	0,050	W/(m·K)	
R-Value	–	25mm	R0.7		m²K/W	ASTM C518
		50mm	R1.5			

The aluminium facing can be exposed to temperatures up to 80 °C.
Nominal thickness 25, 50 mm.

Handling and storage

Earthwool® glasswool: Climacoustic Duct Roll 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. Climacoustic Duct Roll 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 based on rapidly renewable materials instead of petrol-based chemicals, which is up to 70% less energy intensive, compared to our traditional glasswool. 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.

Knauf Insulation

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