



June 2009

EarthWool™ Duct Wrap

Description

Knauf EarthWool Duct Wrap is a new generation of 'super soft' and highly sustainable glasswool and an ideal solution for external duct insulation. Knauf EarthWool Duct Wrap is a thermal and acoustical insulation blanket made from highly resilient, inorganic glass fibres bonded with ECOSE® Technology. It is available nude, or with medium or heavy duty foil facing.

Application

Knauf Insulation EarthWool Duct Wrap is used as external insulation on commercial or residential heating or air conditioning ducts. It is suitable for the exterior of rectangular or round sheet metal ducts and spaces or surfaces where temperature and condensation must be controlled. Condensation control can be achieved when the product is faced with a foil of the appropriate duty classification.

Technical Data

Water Vapor Sorption (ASTM C 1104)

- Less than 5% by weight.

Corrosion Resistance (ASTM C 665)

- No greater than sterile cotton.

Microbial Growth (ASTM C 1338)

- Does not support microbial growth.

Surface Burning Characteristics

- Does not exceed 25 flame spread, 50 smoke developed when tested in accordance with ASTM E 84.

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Specification Compliance

AS/NZS 4859.1: 2002 Materials used in the Thermal Insulation of Buildings and comply with the Building Code of Australia (BCA) requirements.

Bio-solubility

Glasswool insulation fibres have been tested in laboratory studies according to EC protocols ECB/ TM27 REV. 7, 1998 and shown to be bio-soluble. KNS3 fibres comply with the short term biopersistence test and fulfill the requirements of Australian and international authorities on biosolubility.

Features and Benefits

Low 'K' Factor

- Significantly reduces heat gain or loss when applied with proper compression.
- Energy conservation, which lowers operating costs.
- System efficiency increases; energy usage/costs decrease.

Excellent Acoustical Properties

- Reduces sound transmission through the duct wall.

Condensation Control

- Assured condensation control when used with foil facings, proper installation and sealed joints, seams and penetrations.

Superior Handling

- Consistent quality materials feel good, cut easily and install fast.
- Low dust for easier handling and increased productivity.
- Flexible and lightweight—conforms easily to flat or irregular surfaces.
- Tough and resilient—resists damage in shipment and during and after installation.

Superior Service and Support

- Knauf Insulation is totally focused on providing first class customer service, producing high quality product and 'on time in full' deliveries.
- Knauf Insulation recognises the need to establish, develop and support a professional network of distributors and re-sellers in order to service a growing insulation market.
- Knauf Insulation is committed to providing a comprehensive range of relevant sales and marketing literature and web-based technical information to support specifiers and customers.

Knauf Insulation's Earthwool 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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Duct Wrap	Item Ref. No.	Thickness (mm)	Density (kg/m ³)	Dimensions (mm)	m ² /Pack
	Nude	22K251240	25	22	1200 x 40000
22K381227		38	22	1200 x 27000	32.4
22K501220		50	22	1200 x 20000	24.0
MD† Foil (1350mm)	22DW25MD	25	22	1200 x 15000	18.0
	22DW38MD	38	22	1200 x 15000	18.0
	22DW50MD	50	22	1200 x 15000	18.0
HD‡ Foil (1350mm)	22DW25HD	25	22	1200 x 15000	18.0
	22DW38HD	38	22	1200 x 15000	18.0
	22DW50HD	50	22	1200 x 15000	18.0

† MD=Medium Duty ‡ HD=Heavy Duty

All faced product can be supplied cut-to-length. Products are AS/NZS 4859.1 compliant.

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