

THERMO-TEK BD 060 ALU*



July 2020

*data specific to UK manufactured product only

APPLICATION RANGE



DESCRIPTION

Thermo-teK BD 060 Alu is a non-combustible, Mineral Wool slab with foil facing, for use in the thermal insulation of square and rectangular ductwork.

Generic Green Guide rating A+ (mineral wool content only).

TECHNICAL DATA

Maximum service temperature	250 °C (EN 14706)
Service temperature aluminium facing	≤ 80 °C
Reaction to fire	A1 (EN 13501-1)
Nominal density	ca. 60 kg/m ³ (EN 1602)
Declaration of performance*	http://dopki.com/T4208FP

*for detailed information on DoP please check the product label

Description	Sign	Description/data			Unit	Standard
Thermal conductivity depending on temperature	g	10	50	100	°C	EN 12667
	λ	0.033	0.040	0.047	W/(mK)	
Water soluble chloride ions (AS quality)	-	≤ 10			ppm	EN 13468
Water absorption	W _p	≤ 1			kg/m ²	EN 1609
Water vapour diffusion resistance	μ	1			-	EN 14303
Water vapour diffusion equivalent air layer thickness ALU	s _d	≥ 200			m	EN 12086
Silicone free	-	No emissions by lacquering disturbing substances			-	-
Melting point of fibres	g	≥ 1000			°C	DIN 4102-17
Longitudinal air flow resistance	r	≥ 15			kPa·s/m ²	EN 29053
Specific heat capacity	c _p	1030			J/(kgK)	EN ISO 10456
Designation code	-	MW-14303-TS-ST(+)-250-WS1			-	EN 14303

Declared material properties are obtained in the production process and ensured by the factory production control in accordance with the European Standard at the time of manufacture. Observing storage and handling guidelines will maintain performance within published tolerances.

CERTIFICATE



challenge.
create.
care.

THERMO-TEK BD 060 ALU



July 2020

ADDITIONAL INFORMATION

Application

The product is recommended for thermal, fire and sound insulation of the defined applications within technical insulation.
Encasings, Rectangular air ducts.

Handling

Knauf Insulation products are easy to handle and easy to install. They are supplied in suitable packaging materials to balance necessary transport protection with sustainable recycling options. Packaging is not designed for long-term storage or exposure to harsh weather conditions. Further product information is mentioned on every pack.

Storage

For longer-term protection on site we recommend storing the product either indoors or alternatively under a roof cover and off the ground. If covered storage is not available, products can be stored outside (open-air-storage) if placed off the ground (keep palletized) and covered with plastic hood (foil), for a maximum of up to 6 months from the date of delivery. Outdoor storage is not recommended during particularly humid months with large fluctuations in temperature.

Standard format:*

Thickness	40, 50, 60 mm
Width	600 mm
Length	1200 mm

*Other dimensions on request



Knauf Insulation mineral wool products made with ECOSE® Technology benefit from a formaldehyde-free binder made from rapidly renewable bio-based materials instead of petroleum-based chemicals. The technology has been developed for Knauf Insulation's 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.

ISO STANDARDS

Knauf Insulation products are produced according to four of the most important International Management Standards for sustainability ISO 9001 (Quality Management), ISO 14001 (Environmental Management), ISO 50001 (Energy Management) and ISO 45001 (Health and Safety Management), all certified by Tüv Nord.

Knauf Insulation Ltd

Chemistry Lane
CH5 2DA Pentre - Queensferry

Flintshire Wales
United Kingdom

All rights reserved, including those of photomechanical reproduction and storage in electronic media. Commercial use of the processes and work presented in this document is not permitted. Extreme caution was taken in assembling the information, texts and illustrations in this document. Nevertheless, errors cannot be entirely ruled out. The publisher and editors assume no legal responsibility or any liability whatsoever for any incorrect information or any consequences thereof. The publisher and editors are grateful for any suggestions for improvement as well as the identification of any errors.