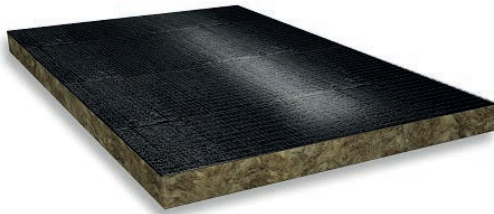


## FIRE-TEK BD 912 ALB



January 2024

with **ECOSE®**  
TECHNOLOGY



### DESCRIPTION

Fire-teK® BD 912 ALB is a high-temperature resistant Rock Mineral Wool insulation board with **one-sided black aluminium lamination**. Provided that installation instructions are followed, Fire-teK BD 912 ALB can achieve fire class **EI 60 (ve ho i-> o) – S** on rectangular ventilation ducts.

Knauf Insulation Fire-teK BD 912 ALB is produced with **ECOSE® Technology**, a patented binder system, based entirely on renewable raw materials.

### PERFORMANCE

Reaction to fire	A1 (EN 13501-1)
Fire resistance	EI60 with 60 mm thickness
Apparent density	ca. 120 kg/m <sup>3</sup> (EN ISO 29470)
Declaration of performance*	<a href="http://dopki.com/T4305BPCPR">http://dopki.com/T4305BPCPR</a>

\* for detailed information on DoP please check the product label

### APPLICATION

Defined Fire-teK applications:

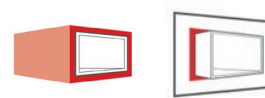
- Rectangular air ducts
- Wall/ceiling penetrations of rectangular ducts

The product is recommended for fire insulation of defined Fire-teK applications within technical insulation where:

- **passive fire protection of rectangular air ducts**

### BENEFITS

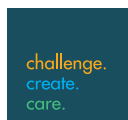
- ✓ Fire protection class EI60 with Fire-teK® BD 912 ALB, if installed as a system according to the manual
- ✓ Non combustible
- ✓ Tear resistant, sturdy black aluminium lamination
- ✓ Sound reducing
- ✓ No doubling on flange connections
- ✓ Very good heat insulation
- ✓ Easy to cut
- ✓ ECOSE® Technology



### 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.

### CERTIFICATES



# FIRE-TEK BD 912 ALB



January 2024

## SPECIFICATIONS

Description	Sign	Description/data								Unit	Standard
		50	100	200	300	400	500	600	650		
Thermal conductivity depending on temperature	$\vartheta$	50	100	200	300	400	500	600	650	°C	EN 12667
	$\lambda$	0,040	0,045	0,059	0,075	0,096	0,121	0,153	0,180	W/(mK)	
Water soluble chloride ions (AS quality)	-	≤ 10								ppm	EN ISO 12624
Water absorption	$W_p$	≤ 1								kg/m <sup>2</sup>	EN ISO 29767
Water vapour diffusion equivalent air layer thickness ALU	$S_d$	≥ 200								m	EN 12086
Silicone free	-	No emissions of lacquering disturbing substances								-	-
Melting point of fibres	$\vartheta$	≥ 1000								°C	DIN 4102-17
Specific heat capacity	$c_p$	1030								J/(kgK)	EN ISO 10456
Designation code	-	MW-EN 14303-TS-WS1-MV2-CL10								-	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.

## 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 FORMATS\*

Thickness	60 mm
Width	600 mm
Length	1000 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.

### Knauf Insulation d.o.o.

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