

Alaska dB

Alaska dB 35

Alaska dB 40

Alaska dB 35 provides room to room sound insulation as well as good sound absorption with a smooth surface finish. Alaska dB 40 provides enhanced room to room sound insulation as well as a high level of sound absorption with a smooth surface.




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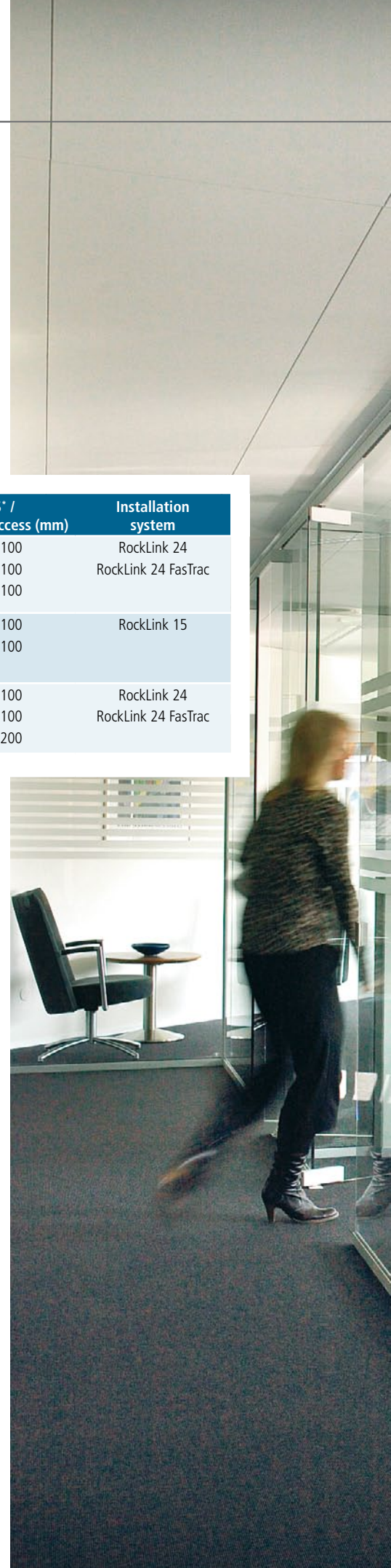
Alaska dB 35 is made from 25mm stone wool with a high-performance membrane on the back which reduces the transmission of noise from room to room. Alaska dB 35 provides sound insulation as well as good sound absorption.

In addition, its fire classification is A1 – the safest class possible. Alaska dB 35 has a smooth, matt white surface, is easy to cut, and with its light weight of 3.5 kg/m² is easy to install.

ASSORTMENT

Edge detail	Module size (mm)	Product code	Weight (kg/m ²)	MS* / MS* easy access (mm)	Installation system
	600 x 600 x 25	6702-3501	3.5	50 / 100	RockLink 24
	1200 x 600 x 25	6702-3502	3.5	50 / 100	RockLink 24 FasTrac
	1800 x 600 x 25	-	3.5	50 / 100	
	600 x 600 x 25	6702-3531	3.5	60 / 100	RockLink 15
	1200 x 600 x 25	6702-3532	3.5	60 / 100	
	600 x 600 x 25	6702-3521	3.5	60 / 100	RockLink 24
	1200 x 600 x 25	6702-3522	3.5	60 / 100	RockLink 24 FasTrac
	1800 x 600 x 25	-	3.5	60 / 200	

* MS - Minimum Suspension



SOUND INSULATION

The "room-to-room" sound insulation properties of Alaska dB 35 have been measured in a certified laboratory and it can provide a $D_{n,f,w}$ (C;C_{tr}) of 35 (-2;-8) dB.

The sound insulation value has been measured in accordance with ISO 10848-2.

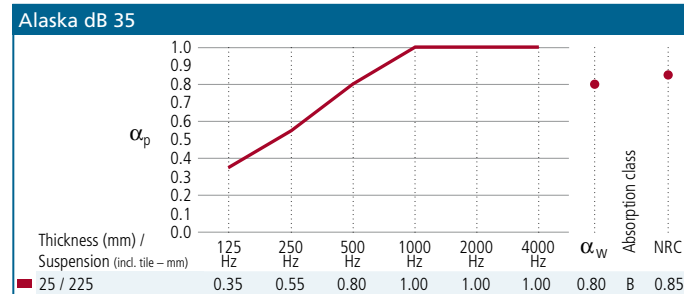
The overall sound insulation for a building depends on several construction elements such as walls, ceilings, sealants, connections and penetrations.

The sound reduction index of Alaska dB 35 has been measured in a certified laboratory and can provide an R_w (C;C_{tr}) of 19 (-1;-3) dB. The sound reduction index has been measured in accordance with ISO 140-3.



SOUND ABSORPTION

Sound absorption has been measured in accordance with ISO 354. Sound absorption data α_p , α_w and absorption class are calculated in accordance with ISO 11654. Noise Reduction Coefficient (NRC) is calculated in accordance with ASTM C423.



FIRE PERFORMANCE

General: Rockfon ceiling tiles have a core of stone wool. Stone wool is non-combustible with a melting point of more than 1000°C.

Reaction to fire: Class A1 in accordance with EN 13501-1.

Fire protection: The fire resistant properties of stone wool ensure Rockfon ceiling tiles provide fire protection in construction. The fire protection properties of Rockfon ceilings have been tested and classified in accordance with European norm EN 13501-2 and/or national norms depending on requirements in national building codes. Some sizes and edge details of Alaska dB 35 can be used with various RockLink grid systems to create a 60 minutes fire protecting ceiling in accordance with BS 476 Part 21 and Part 23. They can also be used to create a 30 minutes fire protecting membrane ceiling (integrity only) in accordance with BS 476 Part 22.



HUMIDITY RESISTANCE AND DIMENSIONAL STABILITY

Rockfon ceiling tiles are dimensionally stable even at humidity levels of up to 100% RH and can be installed at all temperatures ranging from 0°C to 40°C. No acclimatisation is necessary.



LIGHT REFLECTION

White, 86% diffuse light reflection in accordance with ISO 7724-2.



HYGIENE

Stone wool has no nutritional value and therefore it provides no sustenance to harmful micro-organisms.



CLEANING

The surface can be vacuum cleaned with a soft brush attachment.



AFTERCARE

The tiles can be post factory treated with a re-finishing paint, e.g. a PVA water based latex paint. The paint should be applied with an airless spray in a low amount (no brushing or rolling). Rockfon advises the use of the smallest amount of paint in order to minimise reduction in sound absorption. The surface of the tiles must be clean and dry and the existing paint surface must be firmly adhered to the tile prior to refinishing. Heavily discoloured tiles should be replaced.

Disclaimer: The application of refinishing paint will influence acoustic properties and fire safety performance. Rockfon takes no responsibility for these properties after treatment.



ENVIRONMENT

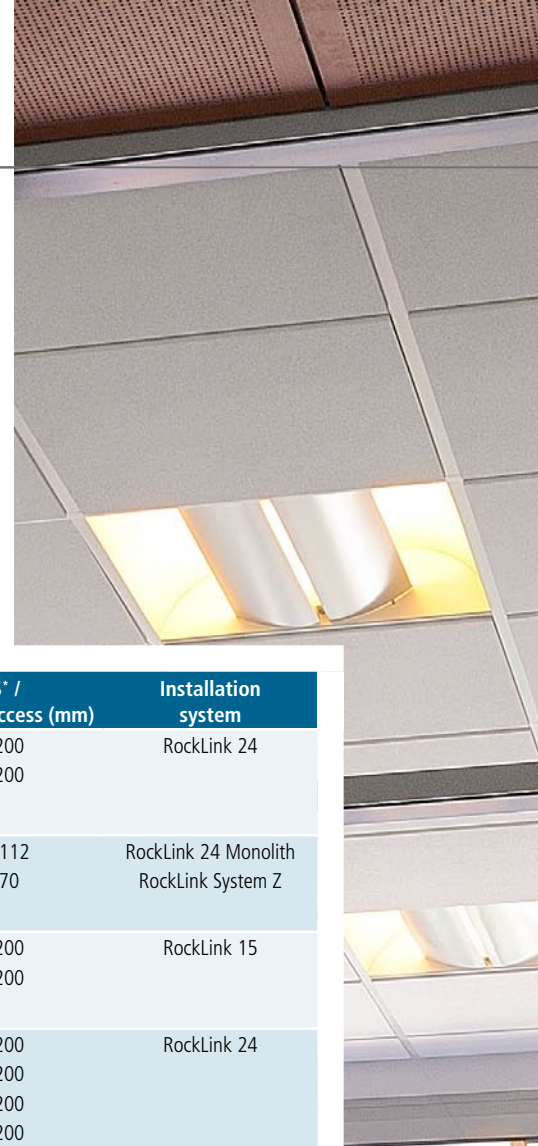
A representative selection of Rockfon products have been awarded the Indoor Climate Label and the Finnish Indoor Climate Label (M1). Alaska dB 35 is recyclable.

Alaska dB 40



Alaska dB 40 provides enhanced room to room sound insulation as well as a high level of sound absorption with a smooth surface.

Alaska dB 40 is made from 30mm stone wool with a high-performance membrane on the back which reduces the transmission of noise from room to room. Alaska dB 40 provides enhanced sound insulation as well as a high level of sound absorption.

In addition, its fire classification is A1 – the safest class possible. Alaska dB 40 has a smooth, matt white surface, is easy to cut, and with its low weight of 5.0 kg/m² is easy to install.



ASSORTMENT

Edge detail	Module size (mm)	Product code	Weight (kg/m ²)	MS* / MS* easy access (mm)	Installation system
 A24	600 x 600 x 30	6702-4001	5.0	50 / 200	RockLink 24
	1200 x 600 x 30	6702-4002	5.0	50 / 200	
 D	600 x 600 x 30	6702-4011	5.0	112 / 112	RockLink 24 Monolith RockLink System Z
	600 x 600 x 30	6702-4011	5.0	70 / 70	
 E15	600 x 600 x 30	6702-4031	5.0	60 / 200	RockLink 15
	1200 x 600 x 30	6702-4032	5.0	60 / 200	
 E24	600 x 600 x 30	6702-4021	5.0	60 / 200	RockLink 24
	1200 x 600 x 30	6702-4022	5.0	60 / 200	
	1800 x 600 x 30	-	5.0	60 / 200	
	1200 x 1200 x 30	-	5.0	60 / 200	

* MS - Minimum Suspension



SOUND INSULATION

The "room-to-room" sound insulation properties of Alaska dB 40 have been measured in a certified laboratory and it can provide a $D_{n,f,w}$ (C;C_{tr}) of 40 (-2;-6) dB.

The sound insulation value has been measured in accordance with ISO 10848-2.

The overall sound insulation for a building depends on several construction elements such as walls, ceilings, sealants, connections and penetrations.

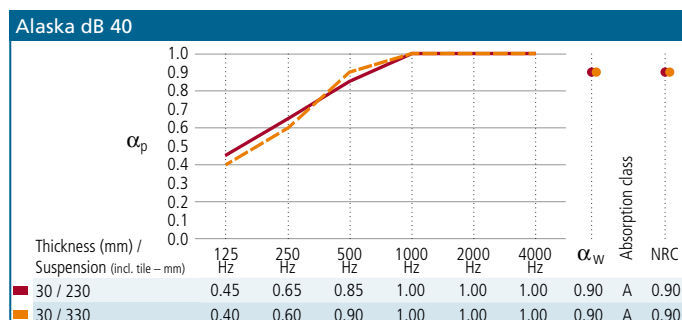
The sound reduction index of Alaska dB 40 has been measured in a certified laboratory and can provide an R_w (C;C_{tr}) of 21 (-1;-2) dB. The sound reduction index has been measured in accordance with [ISO 140-3].



SOUND ABSORPTION

Sound absorption has been measured in accordance with ISO 354.

Sound absorption data α_p , α_w and absorption class are calculated in accordance with ISO 11654. Noise Reduction Coefficient (NRC) is calculated in accordance with ASTM C423.





FIRE PERFORMANCE

General: Rockfon ceiling tiles have a core of stone wool. Stone wool is non-combustible with a melting point of more than 1000°C.

Reaction to fire: Class A1 in accordance with EN 13501-1.

Fire protection: The fire resistant properties of stone wool ensure Rockfon ceiling tiles provide fire protection in construction. The fire protection properties of Rockfon ceilings have been tested and classified in accordance with European norm EN 13501-2 and/or national norms depending on requirements in national building codes. Some sizes and edge details of Alaska dB 40 can be used with various RockLink grid systems to create a 60 minutes fire protecting ceiling in accordance with BS 476 Part 21 and Part 23. They can also be used to create a 30 minutes fire protecting membrane ceiling (integrity only) in accordance with BS 476 Part 22.



HUMIDITY RESISTANCE AND DIMENSIONAL STABILITY

Rockfon ceiling tiles are dimensionally stable even at humidity levels of up to 100% RH and can be installed at all temperatures ranging from 0°C to 40°C. No acclimatisation is necessary.



LIGHT REFLECTION

White, 86% diffuse light reflection in accordance with ISO 7724-2.



THERMAL CONDUCTIVITY

Alaska dB 40 with a thickness equal to and exceeding 30mm has been measured in accordance with EN 12667 and has obtained the following value: $\lambda_D = 37 \text{ mW/mK}$.

Thermal resistance: $R = 0.75 \text{ m}^2\text{K/W}$.



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CLEANING

The surface can be vacuum cleaned with a soft brush attachment.



AFTERCARE

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ACTIVATE YOUR CEILING

Rockfon® develop intelligent ceiling solutions which actively address a number of important issues in modern buildings and renovation projects.

Rockfon products are known for their design, aesthetics and ease of installation; coupled with the key performance features of superior fire resistance and acoustics.

This ensures that our ceiling solutions are among the highest performing, most cost effective and time efficient in today's interiors market.

The comprehensive ceiling solution portfolio from Rockfon ensures that our customers are able to actively add value to the construction process, by ultimately creating superior interior environments.

That is why we say "ACTIVATE YOUR CEILING".

Rockfon

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