

# Sonar® range

The Silencer  
0468 356 600  
info@thesilencer.com.au  
www.thesilencer.com.au

Sonar

Sonar Activity

*A comprehensive range of aesthetically pleasing durable tiles with a micro-textured surface, strong edges and excellent acoustics, available in a wide variety of sizes and edges which meet the highest fire safety and sound absorption regulations.*

activeceilings®

ROCKWOOL  
**Rockfon®**  
ACTIVATE YOUR CEILING

A comprehensive range of aesthetically pleasing durable tiles with a micro-textured surface, strong edges and excellent acoustics, available in a wide variety of sizes and edges which meet the highest fire safety and sound absorption regulations.

The Rockfon Sonar range provides extensive design freedom. It is suited for a multitude of spaces such as offices, retail environments, classrooms and cleanrooms. Rockfon Sonar offers the unique combination of the highest fire safety, Fire Class A1, and acoustic comfort, Class A sound absorption, providing peace of mind as well as peace and quiet.


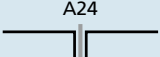







Sonar is available in many different module sizes and edge details, offering a large number of design options and installation solutions, altogether providing more flexibility and much more scope for obtaining the ultimate from suspended ceiling solutions.

Sonar tiles are produced using a patented technology, ensuring razor-sharp looking

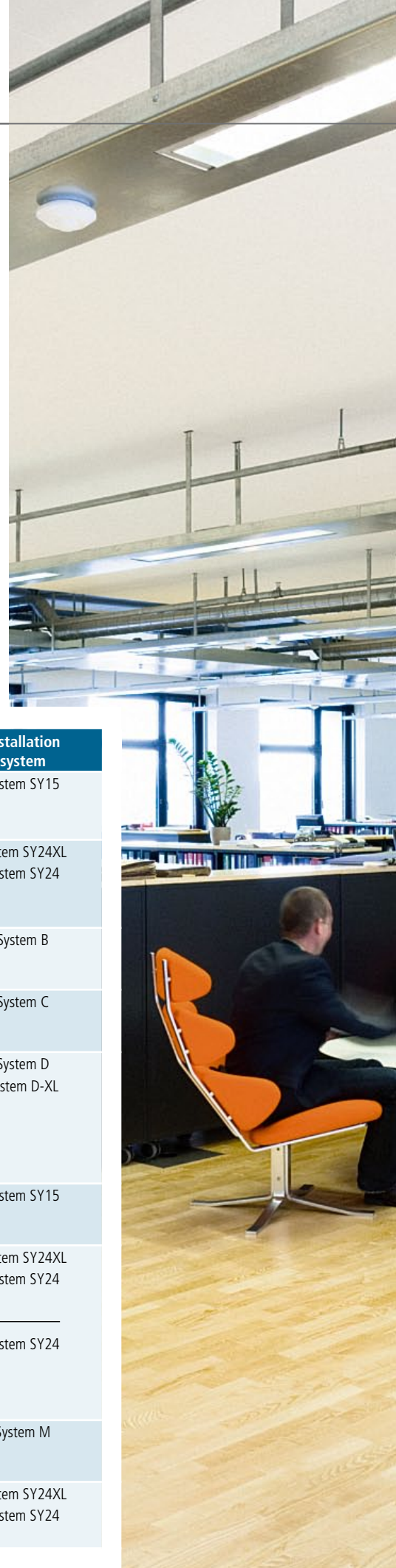
edges that are not only elegant but strong and flexible for superior durability. The top lacquer used on the surface provides enhanced cleaning properties and resistance to scratches and marks.

Sonar is ideally suited for use in communal corridors, lobby areas and stairwells where it can be used to great effect to allow compliance with the sound absorption requirements. The use of the B and C edge options ensure that sound absorption is obtained with the absolute minimum reduction in ceiling height which can be as low as 20mm – giving you all of the sound absorption you need without holes, slots or fissures.

## ASSORTMENT

Edge detail	Module size (mm)	Weight (kg/m <sup>2</sup> )	MS* easy access (mm)	Installation system
	600 x 600 x 20	3.5	100	System SY15
	600 x 600 x 20	3.5	100	System SY24XL
	1200 x 600 x 20	3.5	100	System SY24
	1800 x 600 x 20	3.5	100	
	2400 x 600 x 25	4.2	100	
	600 x 600 x 20	3.5	20 / not demountable	System B
	1200 x 600 x 20	3.5	20 / not demountable	
	600 x 600 x 20	3.5	20 / not demountable	System C
	1200 x 600 x 20	3.5	20 / not demountable	
	600 x 600 x 20	3.5	60	System D
	1200 x 600 x 20	3.5	60	System D-XL
	1800 x 600 x 20	3.5	60	
	1200 x 300 x 20	3.5	60	
	900 x 900 x 25	4.2	67	
	2400 x 600 x 25	4.2	67	
	600 x 600 x 20	3.5	100	System SY15
	1200 x 600 x 20	3.5	100	
	600 x 600 x 20	3.5	100	System SY24XL
	1200 x 600 x 20	3.5	100	System SY24
	1800 x 600 x 20	3.5	100	
	2100 x 600 x 25	4.2	150	System SY24
	2400 x 600 x 25	4.2	150	
	900 x 900 x 25	4.2	150	
	1200 x 1200 x 25	4.2	150	
	600 x 600 x 20	3.5	60	System M
	1200 x 600 x 20	3.5	60	
	600 x 600 x 22	3.5	62	System SY24XL
	1200 x 600 x 22	3.5	62	System SY24
	1800 x 600 x 22	3.5	62	

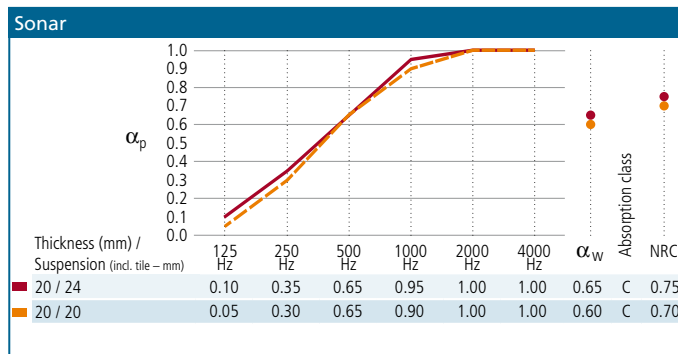
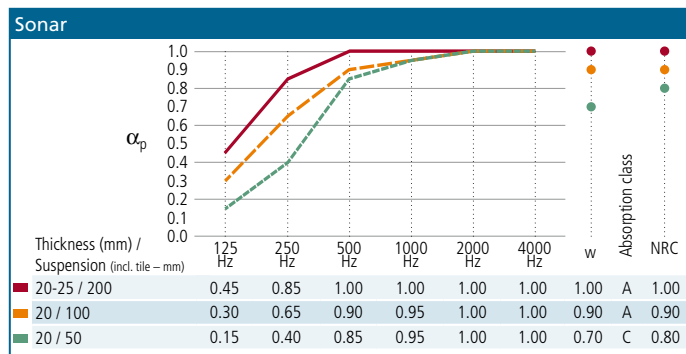
\* MS - Minimum Suspension





## SOUND ABSORPTION

Sound absorption has been measured in accordance with ISO 354. Sound absorption data  $\alpha_p$ ,  $\alpha_w$  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.



## HUMIDITY RESISTANCE AND DIMENSIONAL STABILITY (FLEXURAL TENSILE STRENGTH)

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.

Sonar is predominantly classified as Class 1/C/0N in accordance with EN 13964. However, certain module sizes (width above 700mm) are Class 2/C/0N.



## LIGHT REFLECTION

White, 85% 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.



## CLEAN ROOM CLASSIFICATION

Sonar is classified as Class 5 in accordance with ISO 14644-1.



## CLEANING

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

The surface can also be cleaned once a week using a sponge or cloth and warm water (max. 40°C) with a slightly alkaline detergent (max. pH 10) without alcohol, ammonia or chlorine. Cleaning with a damp sponge or cloth may render the surface slightly shinier and we therefore recommend cleaning the whole surface evenly for best results.



## 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 re-finishing. Heavily discoloured tiles should be replaced.

Disclaimer: The application of re-finishing 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 Danish Indoor Climate Label and the Finnish Indoor Climate Label (M1).

Sonar is recyclable.








# Sonar® Activity

Sonar Activity is designed for classrooms and open plan offices where speech intelligibility is crucial and noise and activity levels are very high.

The 40mm thickness and the high degree of sound absorption provided by Sonar Activity makes direct installation onto soffits possible –

maximising ceiling height whilst still achieving Class A sound absorption.

## ASSORTMENT

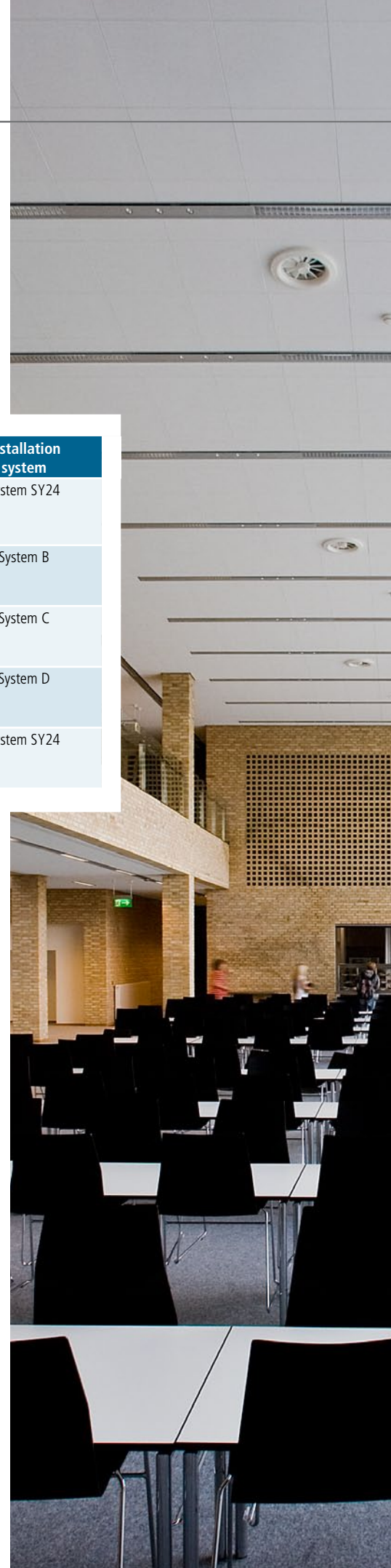
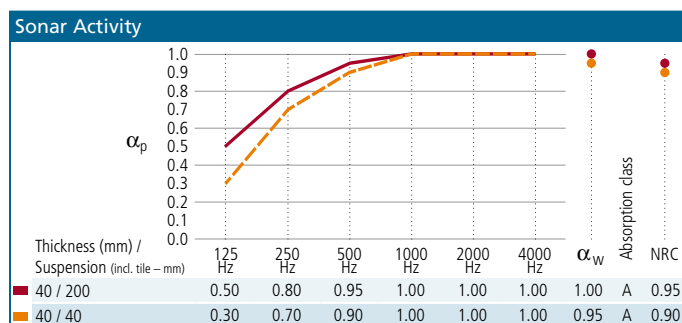
Edge detail	Module size (mm)	Weight (kg/m <sup>2</sup> )	MS* easy access (mm)	Installation system
 A24	600 x 600 x 40	7.0	200	System SY24
	1200 x 600 x 40	7.0	200	
 B	600 x 600 x 40	7.0	40 / not demountable	System B
 C	600 x 600 x 40	7.0	44 / not demountable	System C
 D	600 x 600 x 40	7.0	80	System D
 E24	600 x 600 x 40	7.0	200	System SY24
	1200 x 600 x 40	7.0	200	

\* MS - Minimum Suspension



## SOUND ABSORPTION

Sound absorption has been measured in accordance with ISO 354. Sound absorption data  $\alpha_p$ ,  $\alpha_w$  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.



## HUMIDITY RESISTANCE AND DIMENSIONAL STABILITY (FLEXURAL TENSILE STRENGTH)

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.

Sonar Activity is predominantly classified as Class 1/C/0N in accordance with EN 13964. However, certain module sizes (width above 700mm) are Class 2/C/0N.



## LIGHT REFLECTION

White, 85% diffuse light reflection in accordance with ISO 7724-2.



## THERMAL CONDUCTIVITY

Sonar Activity with a thickness equal to and exceeding 30 mm has been measured in accordance with EN 12667 and has obtained the following value:  $\lambda_D = 40$  mW/mK.

**Thermal resistance:**  $R = 1.00$  m<sup>2</sup> K/W.



## HYGIENE

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



## CLEAN ROOM CLASSIFICATION

Sonar Activity is classified as Class 5 in accordance with ISO 14644-1.



## CLEANING

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

The surface can also be cleaned once a week using a sponge or cloth and warm water (max. 40°C) with a slightly alkaline detergent (max. pH 10) without alcohol, ammonia or chlorine. Cleaning with a damp sponge or cloth may render the surface slightly shinier and we therefore recommend cleaning the whole surface evenly for best results.



## 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 re-finishing. Heavily discoloured tiles should be replaced.

**Disclaimer:** The application of re-finishing 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 Danish Indoor Climate Label and the Finnish Indoor Climate Label (M1).

Sonar Activity is recyclable.