

## Sonar® dB

Sonar dB 35

Sonar dB 40

Sonar dB 42

Sonar dB 44

*Sonar dB 40 provides enhanced room to room sound insulation as well as a high level of sound absorption, with a pleasing matt white micro-textured surface. Sonar dB 44 provides outstanding sound insulation as well as class A sound absorption with a micro-textured surface for areas where acoustic comfort is extremely important.*

# Sonar® dB 35




Sonar dB 35 provides room to room sound insulation as well as good sound absorption with a micro-textured surface.

Sonar 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. Sonar dB 35 provides sound insulation as well as good sound absorption.

In addition, its fire classification is A1 – the safest class possible.

Sonar dB 35 has a pleasing matt white micro-textured surface, is easy to cut, and with its light weight of 3.5 kg/m<sup>2</sup> is easy to install.

## ASSORTMENT

Edge detail	Module size (mm)	Weight (kg/m <sup>2</sup> )	MS* easy access (mm)	Installation system
 A24	600 x 600 x 25	3.5	100	System SY24
	1200 x 600 x 25	3.5	100	
 E15	600 x 600 x 25	3.5	100	System SY15
	1200 x 600 x 25	3.5	100	
 E24	600 x 600 x 25	3.5	100	System SY24
	1200 x 600 x 25	3.5	100	

\* MS - Minimum Suspension



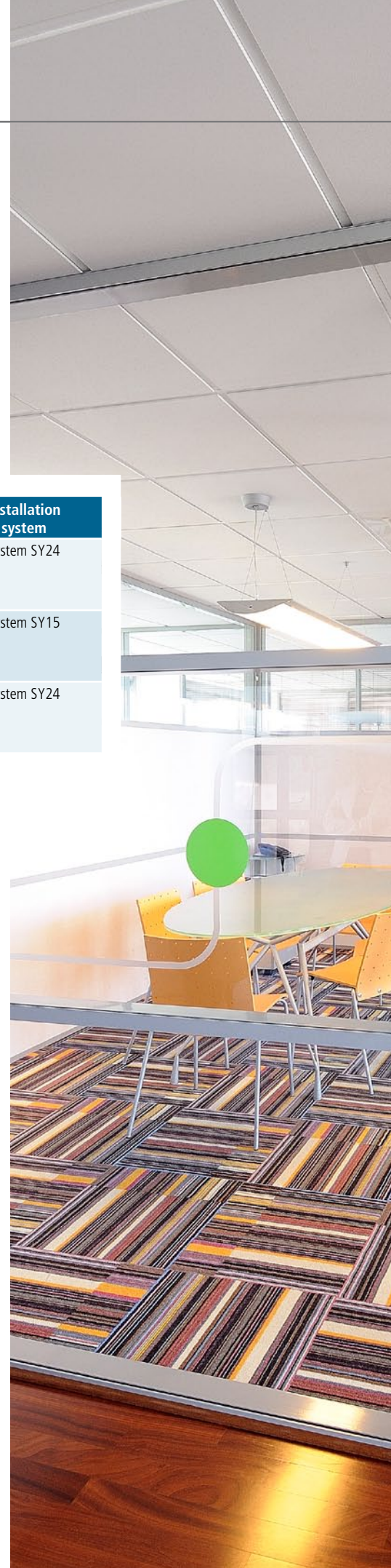
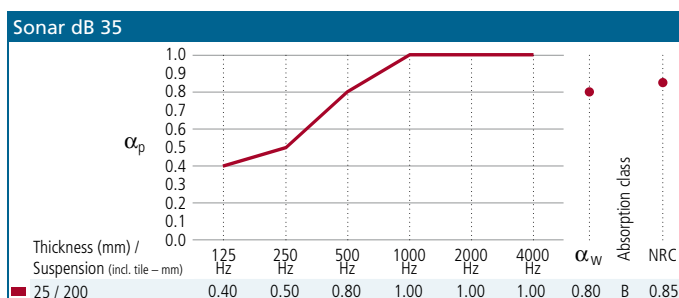
## SOUND INSULATION

The "room-to-room" sound insulation properties of Sonar dB 35 have been measured in a certified laboratory and it can provide a  $D_{n,f,w}$  (C;C<sub>tr</sub>) of 35 dB (-2;-8). 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 Sonar dB 35 has been measured in a certified laboratory and can provide an  $R_w$  (C;C<sub>tr</sub>) of 19 (-1;-3). 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  $\alpha_p$ ,  $\alpha_w$  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.



## 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.



## 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 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 Danish Indoor Climate Label and the Finnish Indoor Climate Label (M1).

Sonar dB 35 is recyclable.

# Sonar® dB 40




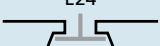
Sonar dB 40 provides enhanced room to room sound insulation as well as a high level of sound absorption, with a pleasing matt white micro-textured surface.

Sonar 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. Sonar 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.

Sonar dB 40 has a subtly textured surface, is easy to cut, and with its low weight of 5.0 kg/m<sup>2</sup> is also easy to install.

## ASSORTMENT

Edge detail	Module size (mm)	Weight (kg/m <sup>2</sup> )	MS* easy access (mm)	Installation system
 A24	600 x 600 x 30	5.0	150	System SY24
	1200 x 600 x 30	5.0	150	
 D	600 x 600 x 30	5.0	70	System D
	1200 x 600 x 30	5.0	70	
 E15	600 x 600 x 30	5.0	150	System SY15
	1200 x 600 x 30	5.0	150	
 E24	600 x 600 x 30	5.0	150	System SY24
	1200 x 600 x 30	5.0	150	

\* MS - Minimum Suspension



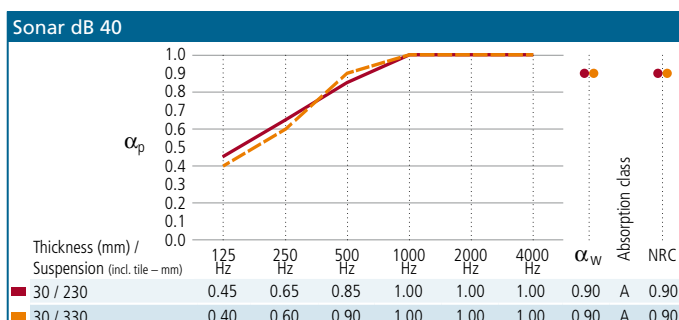
## SOUND INSULATION

The "room-to-room" sound insulation properties of Sonar dB 40 have been measured in a laboratory and it can provide a  $D_{n,f,w}$  ( $C;C_{tr}$ ) of 40 dB (-2;-6). 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 Sonar dB 40 has been measured in a certified laboratory and can provide an  $R_w$  ( $C;C_{tr}$ ) of 21 (-1;-2). 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  $\alpha_p$ ,  $\alpha_w$  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.



## LIGHT REFLECTION

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



## THERMAL CONDUCTIVITY

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

**Thermal resistance:**  $R = 0.75$  m<sup>2</sup> k/W.



## 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.

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 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 Danish Indoor Climate Label and the Finnish Indoor Climate Label (M1).

Sonar dB 40 is recyclable.



# Sonar® dB 42




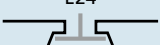
Sonar dB 42 offers a high level of sound insulation as well as absorption and is well-suited where confidentiality is important.

Sonar dB 42 is made of two sound absorbing layers of stone wool with a high-performance membrane in between. The first stone wool layer (25mm) absorbs sound from the room itself and with the high-performance membrane, it reduces the transmission of sound from room to room. The stone wool layer on the back (15mm) absorbs sound in the ceiling void coming from adjacent rooms and the floor above.

This "sandwich" construction offers a high level of sound insulation as well as absorption and is well-suited where confidentiality is important.

Sonar dB 42 has a micro-textured surface, is easy to cut, and with its light weight of 7,0 kg/m<sup>2</sup> is easy to install.

## 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	
 D	600 x 600 x 40	7.0	80	System D
 E15	600 x 600 x 40	7.0	200	System SY15
	1200 x 600 x 40	7.0	200	
 E24	600 x 600 x 40	7.0	200	System SY24
	1200 x 600 x 40	7.0	200	

\* MS - Minimum Suspension



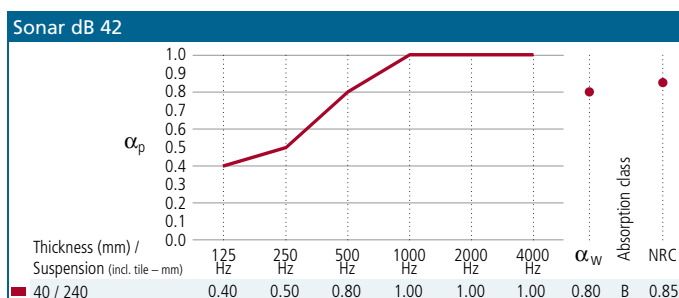
## SOUND INSULATION

The "room-to-room" sound insulation properties of Sonar dB 42 have been measured in a certified laboratory and it can provide a  $D_{n,f,w}$  (C;C<sub>tr</sub>) of 42 dB (-1;-7). 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 Sonar dB 42 has been measured in a certified laboratory and can provide an  $R_w$  (C;C<sub>tr</sub>) of 23 (-1;-4). 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  $\alpha_p$ ,  $\alpha_w$  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 A2-s1,d0 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.



## LIGHT REFLECTION

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



## THERMAL CONDUCTIVITY

Sonar dB 42 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.



## 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 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 Danish Indoor Climate Label and the Finnish Indoor Climate Label (M1).

Sonar dB 42 is recyclable.



# Sonar® dB 44

Sonar dB 44 provides outstanding sound insulation as well as class A sound absorption with a micro-textured surface for areas where acoustic comfort is extremely important.

Sonar dB 44 is made of two sound absorbing layers of stone wool with a high-performance membrane in between. The first stone wool layer (30mm) absorbs sound from the room itself and with the high-performance membrane, it reduces the transmission of sound from room to room. The stone wool layer on the back (20mm) absorbs sound in the ceiling void coming from adjacent rooms and the floor above.

This 'sandwich' construction provides outstanding sound insulation as well as class A sound absorption that is necessary where confidentiality and acoustic comfort is very important.

Sonar dB 44 has a subtly textured surface, is easy to cut, and with its light weight of 8.5 kg/m<sup>2</sup> is easy to install.



## ASSORTMENT

Edge detail	Module size (mm)	Weight (kg/m <sup>2</sup> )	MS* easy access (mm)	Installation system
 A24	600 x 600 x 50	8.5	200	System SY24
	1200 x 600 x 50	8.5	200	
 D	600 x 600 x 50	8.5	100	System D-XL
 E15	600 x 600 x 50	8.5	200	System SY15
	1200 x 600 x 50	8.5	200	
 E24	600 x 600 x 50	8.5	200	System SY24
	1200 x 600 x 50	8.5	200	

\* MS - Minimum Suspension



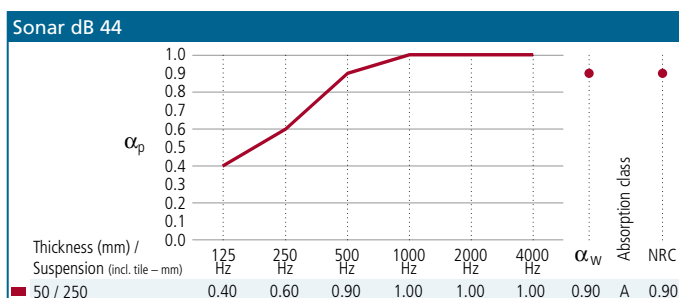
## SOUND INSULATION

The "room-to-room" sound insulation properties of Sonar dB 44 have been measured in a laboratory and it can provide a  $D_{n,f,w}$  ( $C;C_{tr}$ ) of 44 dB (-1;-7). 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 Sonar dB 44 has been measured in a certified laboratory and can provide an  $R_w$  ( $C;C_{tr}$ ) of 27 (-1;-4). 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  $\alpha_p$ ,  $\alpha_w$  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 A2-s1,d0 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.



## LIGHT REFLECTION

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



## THERMAL CONDUCTIVITY

Sonar dB 44 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:**  $R = 1.25$  m<sup>2</sup> k/W.



## 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.

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 dB 44 is recyclable.

# 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".

All colour codes mentioned are based on the NCS - Natural Colour System® property of and used on licence from NCS Colour AB, Stockholm 2010

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