

# Boxer

*Excellent sound absorption  
while meeting the highest  
requirements in impact resistance for  
use in sports halls and schools.*

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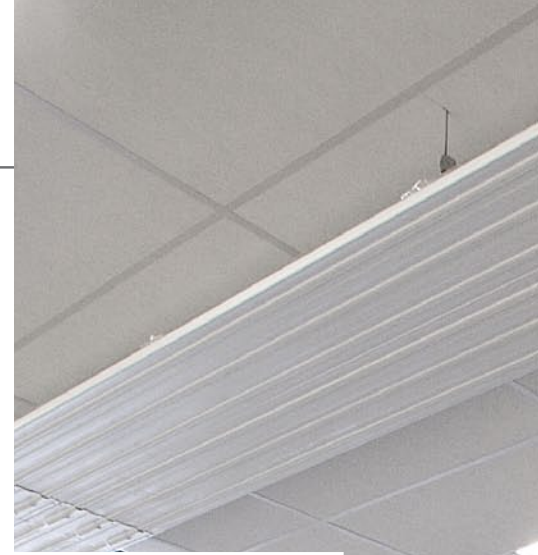
The sound absorption level is exceptional thereby contributing to a good acoustic environment in schools and sports halls which typically are noisy areas.

For ultimate sports ceilings, Boxer should be installed using RockLink Olympia<sup>Plus</sup> to achieve the maximum impact resistance (Class 1A).

## ASSORTMENT

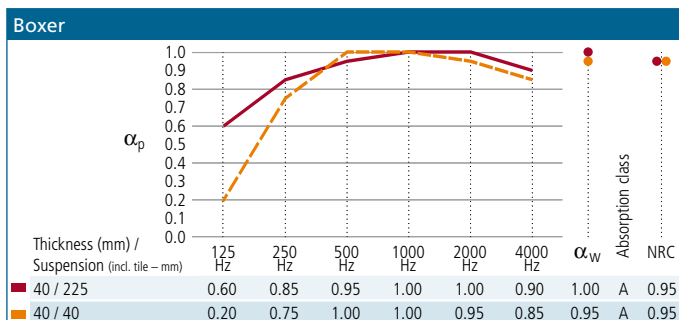
Edge detail	Module size (mm)	Product code	Weight (kg/m <sup>2</sup> )	MS* / MS* easy access (mm)	Installation system
AEX 	1166 x 1166 x 40	-	4.1	180 / 180	RockLink Olympia <sup>Plus</sup>

\* MS - Minimum Suspension



## SOUND ABSORPTION

Sound absorption data 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.



## IMPACT RESISTANCE

The Impact resistance performance of Boxer has been tested by a certified laboratory in accordance with EN13964-Annex D. Impact resistance classifications confirm the system's capability to withstand incidental or occasional impact. It does not confirm the system's ability to maintain consistent visual appearance if impacted on a regular basis. Boxer reaches the below impact resistance class in combination with the following installation system:

Class	Edge	Dimensions (mm)	Installation system
1A	AEX	1166 x 1166 x 40	RockLink Olympia <sup>plus</sup>



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

Rockfon ceiling tiles are dimensionally stable even at high 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. Boxer is predominantly classified as Class 1/C/0N in accordance with EN 13964. However certain module sizes (width above 700 mm) are Class 2/C/0N.



## LIGHT REFLECTION

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



## THERMAL CONDUCTIVITY

Boxer with a thickness equal to and exceeding 30 mm has been measured in accordance with EN 12667 and has obtained the following value  $\lambda_D = 37$  mW/mK.



## 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 Indoor climate Label and the Finnish Indoor Climate Label (M1). Boxer 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".

## Rockfon

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