



ROCKFON® Koral™

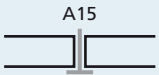

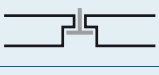
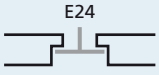
ROCKFON® Koral™

- Attractive micro-textured tiles
- Highest fire safety (Class A1) and sound absorption (Class A) plus non-hygroscopic and dimensionally stable even at humidity levels of up to 100% RH
- Wipeable surface suitable for a wide variety of applications

PRODUCT DESCRIPTION

- Stone wool tile
- Visible side: micro-textured white painted fleece
- Rear side: back fleece
- Painted edges

ASSORTMENT

Edge detail	Module size (mm)	Weight (kg/m ²)	MS / MS easy access (mm)	Recommended installation system
 A15	600 x 600 x 15	2.0	50 / 100	ROCKFON System T15 A/E
	600 x 600 x 15	2.0	50 / 100	ROCKFON System T15 A/E ECR
	1200 x 600 x 15	2.0	50 / 100	ROCKFON System T15 A/E
	1200 x 600 x 15	2.0	50 / 100	ROCKFON System T15 A/E ECR
	600 x 600 x 20	2.3	50 / 100	ROCKFON System T15 A/E
	600 x 600 x 20	2.3	50 / 100	ROCKFON System T15 A/E ECR
	1200 x 600 x 20	2.3	50 / 100	ROCKFON System T15 A/E
	1200 x 600 x 20	2.3	50 / 100	ROCKFON System T15 A/E ECR
 A24	600 x 600 x 15	2.0	50 / 100	ROCKFON System T24 A/E
	600 x 600 x 15	2.0	50 / 100	ROCKFON System XL T24 A/E
	600 x 600 x 15	2.0	50 / 100	ROCKFON System T24 A/E ECR
	1200 x 600 x 15	2.0	50 / 100	ROCKFON System T24 A/E
	1200 x 600 x 15	2.0	50 / 100	ROCKFON System T24 A/E ECR
	600 x 600 x 20	2.3	50 / 100	ROCKFON System T24 A/E
	600 x 600 x 20	2.3	50 / 100	ROCKFON System XL T24 A/E
	1200 x 600 x 20	2.3	50 / 100	ROCKFON System T24 A/E ECR
 E15	600 x 600 x 15	2.2	50 / 100	ROCKFON System T15 A/E
	600 x 600 x 15	2.2	50 / 100	ROCKFON System T15 A/E ECR
	1200 x 600 x 15	2.2	50 / 100	ROCKFON System T15 A/E
	1200 x 600 x 15	2.2	50 / 100	ROCKFON System T15 A/E ECR
 E24	600 x 600 x 15	2.2	58 / 100	ROCKFON System T24 A/E
	600 x 600 x 15	2.2	58 / 100	ROCKFON System XL T24 A/E
	600 x 600 x 15	2.2	58 / 100	ROCKFON System T24 A/E ECR
	1200 x 600 x 15	2.2	58 / 100	ROCKFON System T24 A/E
	1200 x 600 x 15	2.2	58 / 100	ROCKFON System T24 A/E ECR

MS = Minimum Suspension

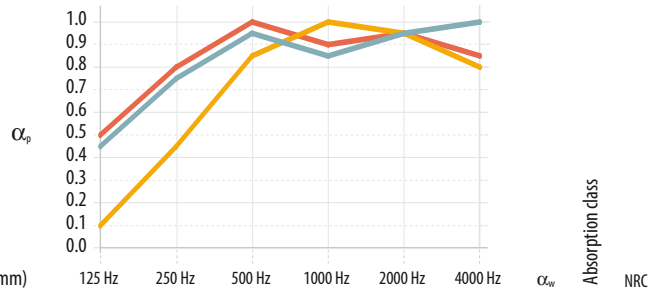


PERFORMANCE



Sound absorption

α_w : up to 0.95 (Class A)



Reaction to fire

A1



Light reflection

86%



Humidity and sag resistance

Up to 100% RH
1/C/0N



Cleaning

- Vacuum
- Damp cloth



Hygiene

Stone wool provides no sustenance to microorganisms



Environment

Fully recyclable



Indoor environment

A selection of ROCKFON products have been awarded



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 ROCKFON Koral can be used with various Chicago Metallic grids and ROCKFON systems to create a 30 and/or 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.

Understanding the unique performance of ROCKFON stone wool products

Below is an explanation of ALL the performance icons and certification for our complete range of ROCKFON stone wool products. For product specific performance, please refer to the information on the individual product datasheet.



Sound absorption

Sound absorption is measured in accordance with ISO 354. Sound absorption data α_{pr} , α_w and absorption class are calculated in accordance with ISO 11654. Sound absorption properties of islands and baffles are quantified by the equivalent sound absorption area A_{eq} expressed as m^2 per item.



Room-to-room sound insulation

Room-to-room sound insulation $D_{n,f,w}$ ($C;C_{tr}$) is measured in accordance with ISO 10848-2.



Direct sound insulation

Sound reduction index R_w ($C;C_{tr}$) is measured in accordance with ISO 140-3.



Reaction to fire

Reaction to fire is classified in accordance with EN 13501-1.



Fire protection

The stone wool core of ROCKFON products is non-combustible with a melting point of more than 1000°C and provides fire protection. Some ROCKFON ceilings have been tested and classified in accordance with European norm EN 13501-2 and/or national norms.



Light reflection

Light reflection expressed in % is measured in accordance with ISO 7724-2.



Humidity & sag resistance

ROCKFON ceiling tiles are dimensionally stable even at humidity levels of up to 100% relative humidity and can be installed at all temperatures ranging from 0°C to 40°C. They can be installed during the very early stage of the build (when windows are not fully sealed). Their lightweight yet stable non-hygroscopic character minimises the final weight of the fully-installed ceiling. ROCKFON ceiling tiles are predominantly classified as Class 1/C/0N in accordance with EN 13964. Certain module sizes (width above 700mm) are Class 2/C/0N.



Surface durability

The surface of some ROCKFON products is specially treated to provide enhanced durability and dirt resistance.



Cleaning

Vacuum:

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

Damp cloth:

The surface can be cleaned using a damp cloth or sponge with a slightly alkaline detergent (pH between 7 and 9) without alcohol, ammonia or chlorine. This may render the surface slightly shinier, so we recommend cleaning the entire surface evenly.



Hygiene

Stone wool provides no sustenance to the following microorganisms tested in accordance with JIS Z 2801:2000 and ASTM C 1338-96:

- Escherichia coli
- Staphylococcus aureus
- Methicillin-resistant staphylococcus aureus (MRSA)
- Stachybotrys chartarum
- Penicillium brevicompactum
- Alternaria tenuissima
- Aspergillus niger
- Sporobolomyces roseum
- Rhodotorula rubra



Clean room

Clean room classification is measured in accordance with ISO 14644-1.



Thermal insulation

The thermal conductivity of products with a thickness ≥ 30 mm is measured in accordance with EN 12667 and expressed in mW/mK . Thermal resistance is expressed in m^2K/W .