

PARAFON Royal



Certification Number

0809-CPR-1013 / Eurofins Expert Services Ltd, P.O. Box 1001, FI-02044 VTT, Finland

Short Description

PARAFON Royal is a unique and exclusive acoustic tile for direct installation on ceilings using adhesive. All visible edges are covered with coloured glass-fibre felt, which gives a clean and elegant appearance and makes PARAFON Royal useful for sound absorption even in aesthetically sensitive environments. Can be mounted whole covering, in a group or individually, and provide quick improvement of problematic acoustic environments such as e.g. stairwells, laundry rooms, assembly halls and canteens. The core consists of non-combustible mineral wool and the surface is coloured glass-fibre felt and available in the colours White and Cement. The variant PARAFON Royal Extra has a particularly durable woven glass-fibre layer and is suitable for more exposed areas and locations.

Usage Conditions

May be used continuously in 95 % relative humidity at a temperature of 30 °C, occasionally also at 100 % and 40 °C.

Dimensions

Dimensions		
Thickness	Width x Length	Weight
Edge A, White:		
30 mm	600 x 600 mm	2,6 kg/m ²
30 mm	600 x 900 mm	2,6 kg/m ²
30 mm	600 x 1200 mm	2,6 kg/m ²
30 mm	600 x 1500 mm	2,6 kg/m ²

Property	Value	According to
Practical Sound Absorption Class	Up to class A , for details see tab Acoustics.	EN 13964:2014 (EN ISO 354 / EN ISO 11654)

Mechanical Properties

Tensile/Flexural Strength		
Property	Value	According to
Flexural Tensile Strength	NPD	EN 13964:2014

Other Mechanical Properties		
Property	Value	According to
Shatter Properties	NPD	EN 13964:2014

Emissions

Property	Value	According to
Emission Indoor Climate	M1	Finnish Classification

Release of Dangerous Substances to the Indoor Environment		
Property	Value	According to
Release of Formaldehyde	E1	EN 13964:2014
Release of Asbestos	No content of asbestos	EN 13964:2014

Durability

Durability of Reaction to Fire Against Heat, Weathering, Ageing/Degradation
 The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of product is related to the organic content, which cannot increase with time.

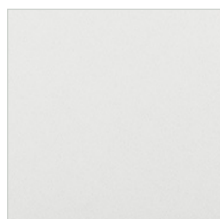
Facings

Facing Material
 White and Cement: Pre painted glass fiber surface layer. Extra: White high quality glass fiber woven surface layer. Backside: thin glass fiber tissue.

Gloss Factor
 White: 2, Cement: 1, Extra: 3

Light Reflectance
 White: 83 %, Cement: 54 %

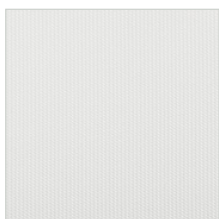
Colours



White, NCS S 0500-N



Cement, NCS S 2002-B



Extra, NCS S 0502-R50B

Treatment of Edges

Covered edges. Same coating as visible surface.

Edge Variations



A

Installation

Mounting directly to the substrate by gluing, recommended to leave a 8 mm gap between the tiles.

Suspension Height

Direct fixing

Tile thickness	Edge A
30 mm	32 mm
40 mm	42 mm
50 mm	52 mm

Minimum suspension height for not removeable

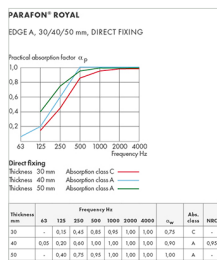
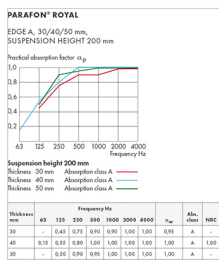
Maintenance

Using a soft brush, by vacuum cleaning or by wiping with a damp cloth or sponge.

Disposal and Recycling

May be used as thermal insulation or taken to a dump. No restrictions.

Sound Absorption Curves



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