Cosmic

PERFORATED FISSURED MINERAL FIBRE CEILING TILE

Elevate INTERIOR SOLUTIONS



Cosmic

Cosmic is a perforated mineral fibre tile used with lay-in grid to form a demountable suspended ceiling. It has a classic non-directional fissured pattern, providing a cost effective, acoustic solution (class C) for a wide range of office environments. Also ideal for educational & retail settings.



Benefits

- ***Acoustic Sound Absorption*** - 0.6 Alpha W
- ***Sound Attenuation*** - DnCw 34 Db
- ***Reaction to Fire*** - Euroclass A2-s1, d0
- ***Light Reflectance*** - 90% (white)
- ***Humidity Resistance*** - 95RH

Elevate INTERIOR SOLUTIONS

Cosmic
Square Edge

Application

Cosmic is a fantastic all round tile option for a number of commercial applications. Its perforated fissured finish provides good acoustic absorbtion, giving an ideal solution to noisy office environments or education settings where speech clarity is essential.

Perfect for:

- Offices
- Retail
- Education
- Healthcare
- Hospitality
- Leisure

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Introduction

Cosmic is a perforated mineral fibre tile used with lay-in grid to form a demountable suspended ceiling. It has a classic non-directional fissured pattern and is ideal for use in a range of commercial and residential ceiling applications. It can withstand humid environments and is suitable for areas where good acoustic sound absorption is required. Available in white 595 x 595mm square edge.

Performance

Elevate has tested these products in the UK and owns the full test data, ensuring their quality and compliance with relevant standards.

REACTION TO FIRE

Cosmic has been tested to the harmonised product standard of EN 13964:2014 Suspended ceilings - Requirements and test methods. The membrane was tested in front of particleboard, and can be used below any wood structure, plasterboard or any other product having reaction to fire class A1 to A2 in accordance with EN 13501-1:2018 in end use. It also meets reaction to fire specifications of EN 13823:2020 (SBI)- heat release and EN ISO 1716:2018 Bomb Homogenous (formal). It has been issued with UKCA laboratory classification markings.

RELATIVE HUMIDITY

95RH. This ceiling tile is designed to perform effectively in environments with up to 95 relative humidity.

ACOUSTIC PERFORMANCE

This tile has been tested to BS EN ISO 354:2003 and achieves Class C sound absorption. It has a Sound Absorption Coefficient (Alpha) of 0.60 meaning it absorbs up to 60% of the sound that strikes it. This helps to reduce noise levels, creating a more peaceful and productive environment.

FLEXURAL TENSILE STRENGTH

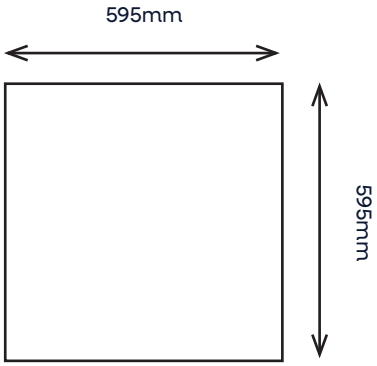
Flexural Tensile Strength in accordance with EN13964:2014

INDOOR AIR QUALITY

Certified E1. This ceiling tile meets the E1 standard for low formaldehyde emissions, ensuring optimal indoor air quality.

Physical Properties

Tile Size	595 × 595mm*
Thickness	15mm
Edge Type	Square Edge
Colour	White similar to RAL 9016
Finish	Fissured (non-directional)
Mass	3.5kg/m2
Tile Content	70% Mineral fibre, 10% expanded perlite, 8% recycled newspaper, 5% corn starch, 7% moisture proof agent & vinyl latex paint



*For a 600 x 600mm ceiling grid module

Product Performance

Acoustic Sound Absorption	0.6 Alpha W in accordance with BSEN ISO 354: 2003 and rated in accordance with BS EN ISO 11654: 1997.
Sound Attenuation	DnCw 34 Db in accordance with BS EN ISO 10848-2: 2017 and rated in accordance with BS EN ISO 717-1: 2020.
Light Reflectance	90% (white)
Reaction to Fire	Euroclass A2-s1, d0
Relative Humidity	95RH. This ceiling tile is designed to perform effectively in environments with up to 95 relative humidity.
Flexural Tensile Strength	EN13964:2014
Indoor Air Quality	E1. This ceiling tile meets the E1 standard for low formaldehyde emissions, ensuring optimal indoor air quality.

Sectors and Suitable Environments

Cosmic is ideal for use in a wide range of commercial office settings including open plan office areas, enclosed meeting rooms, small private offices and general circulation areas. Also ideal for educational settings such as classrooms where excellent speech clarity is needed.

Application and Installation

HANDLING AND STORAGE

Elevate Interior Solutions fully accepts its responsibilities as a supplier of building materials and systems as required by Section 6 of the Health and Safety at Work Act 1974. However, please consider the legal requirements of: Manual Handling Operations Regulations, Construction (Design and Management) Regulations, and Control of Substances Hazardous to Health Regulations (COSHH).

1. Manual Handling Operations Regulations.
2. Construction (Design and Management) Regulations.
3. Control of Substances Hazardous to Health Regulations (COSHH).

INSTALLATION

Products should be installed in accordance with relevant British Standards, in particular, reference should be made to BS EN 13964:2014- suspended ceilings.

RECYCLABILITY

Each ceiling tile is collectively made up of 30-50% recycled materials.

MAINTENANCE

The perforated fissured surface of Cosmic ceiling tiles can be cleaned using either a dry cloth or a damp cloth with water and a mild detergent.