

ClearTone BioCare

SMOOTH WHITE STONE WOOL
HYGIENIC ACOUSTIC CEILING TILE

Elevate
INTERIOR SOLUTIONS

ClearTone BioCare

ClearTone BioCare is a Class A sound absorption stone wool tile compatible with lay-in grid to form a demountable suspended ceiling. The tile surface has a thick white painted glass fleece. The back side is covered by an unpainted glass fleece. Both fleeces are acoustically rated and designed to support excellent reaction-to-fire performance. This tile contains a stone wool core, ensuring optimal sound absorption and a Euroclass A1 reaction-to-fire classification.

ClearTone BioCare is tested in accordance with NF S 90-351 and classified as M1, the highest microbiological cleanliness class, demonstrating suitability for use in healthcare and controlled environments requiring strict microbial contamination control. ISO Class 4 indicates an extremely low level of airborne particles, providing very clean air suitable for cleanrooms.

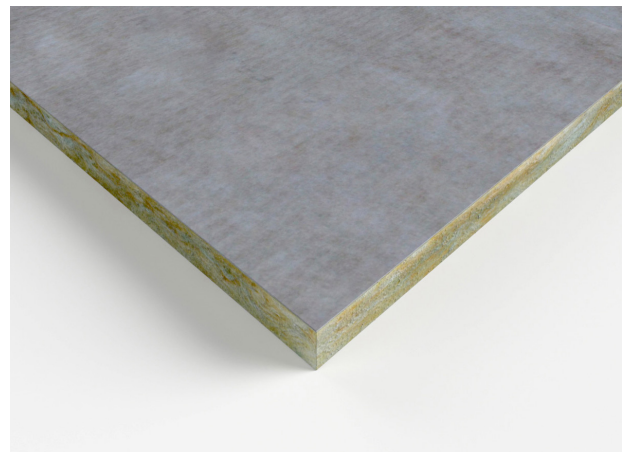
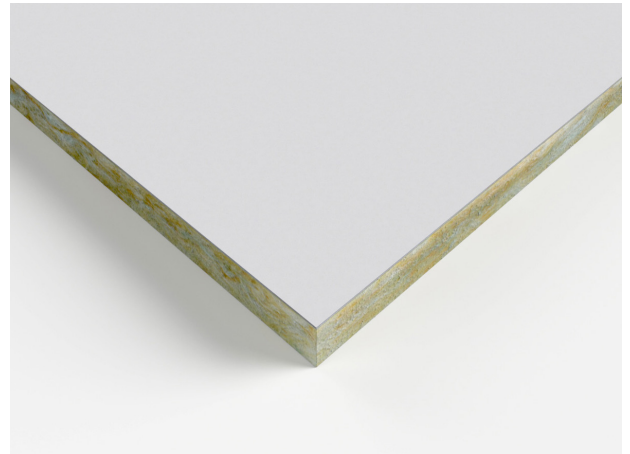
Benefits

- ✓ **Sound Absorption** – 1.0 Alpha aw
- ✓ **Reaction to Fire** – Euroclass A1
- ✓ **Humidity Resistance** – 95RH
- ✓ **Low Light Reflectance** – 87% Reduces visual fatigue.
- ✓ **Cleanroom Capability** – Class:ISO 4 (>0,5µm) ISO 14644-1
- ✓ **Thermal Conductivity** - 0.035 W/m·K (tested in accordance with EN 13964)
- ✓ **Indoor Air Quality** – E1
- ✓ **Hygiene** – Mineral stone wool does not provide nutrient for microorganisms
- ✓ **Microbiological Class According to NF S 90-351** – Class M1

Application

ClearTone BioCare is a versatile ceiling tile solution suitable for a wide range of commercial environments, including healthcare, leisure, retail, commercial, and industrial facilities. Suitable for use in cleanrooms up to ISO 14644-1 Class 4 and classified as Microbiological Class M1 according to NF S 90-351, supporting use in environments requiring the highest standards of cleanliness and infection control.

Its white surface provides high light reflectance, enhancing natural and artificial light levels to create brighter, more welcoming spaces while helping to reduce overall lighting demands. With Class A sound absorption, ClearTone BioCare also ensures excellent acoustic performance, improving speech clarity and contributing to a more comfortable, productive environment.



Elevate
INTERIOR SOLUTIONS

ClearTone BioCare
Square Edge

Perfect for:

- ✓ Hospitals
- ✓ General Healthcare
- ✓ Clean rooms

Introduction

ClearTone BioCare is a mineral stone wool tile used with lay-in grid to form a demountable suspended ceiling. This eco-friendly product has low emissions, resists microorganism growth, and is suitable for indoor use. See 'maintenance' for cleaning instructions.

Performance

REACTION TO FIRE

ClearTone BioCare has been tested to the harmonised product standard of EN 13964:2014 Suspended ceilings – Requirements and test methods. The membrane 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 in end use. It meets the reaction-to-fire requirements of EN 13823:2020+A1:2022 (SBI), including heat release and smoke production, together with EN ISO 1716:2018 (calorific value) and EN ISO 1182:2020 (non-combustibility), and has been classified in accordance with EN 13501-1.

ABSORPTION SOUND PERFORMANCE

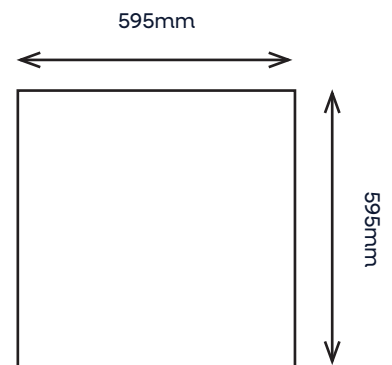
ClearTone BioCare delivers outstanding acoustic performance, helping create quieter, more comfortable healthcare and cleanroom environments. Tested in accordance with EN ISO 354 and classified to EN ISO 11654, it achieves an excellent sound absorption rating of $\alpha_w = 1.0$ (Class A), providing exceptional control of reverberation and supporting patient wellbeing, staff concentration, and overall acoustic comfort in noise-sensitive areas.

INDOOR AIR QUALITY

Certified E1 under EN 717. 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
Finish	White Painted Glass Fleece
Mass	1.565 kg/m ²
Tile Content	84% stone wool, 14% glass fleece, 2% binder / adhesive



*For a 600 x 600mm ceiling grid module

Product Performance

Sound Absorption	1.0 Alpha aw
Light Reflectance	87%
Reaction to Fire	Reaction to Fire A1 in accordance with EN 13501-1:2018
Relative Humidity	Provides protection in high humidity up to 95RH.
Indoor Air Quality	E1. This ceiling tile meets the E1 standard for low formaldehyde emissions, ensuring optimal indoor air quality. Certified E1 under EN 717.
Cleanroom Capability	Class: ISO 4 (>0,5µm) ISO 14644-1

Sectors and Suitable Environments

ClearTone BioCare is specifically designed for use in hospitals, general healthcare environments, and cleanrooms where high standards of hygiene, cleanliness, and contamination control are essential. It is particularly suited for areas requiring ISO 14644-1 Class 4 cleanroom conditions and environments where stringent infection control protocols must be maintained.

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. There is a directional arrow on the rear face of the tile, indicating the direction of alignment to ensure total consistency of pattern and shade in a production batch. Tiles should always be installed following this directional alignment.

MAINTENANCE

The surface can be easily cleaned with an electric vacuum and soft brush attachment. ClearTone BioCare achieves a wet scrub resistance result of 19.8 µm (Class 2) after 200 cycles in accordance with EN ISO 11998, supporting routine cleaning and maintenance in controlled environments. Combined with suitability for ISO 14644-1 Class 4 cleanrooms and Microbiological Class M1 classification according to NF S 90-351, it is designed for use in high-risk healthcare and cleanroom applications

MOLD/MILDEW RESISTANCE

Mineral stone wool does not provide nutrients for microorganisms.