



Making life safe.
And lifestyle great.

Aerocil
Lightweight Calcium Silicate Ceilings

Why Suspended ceiling ?

Suspended ceilings provide a plenum above the ceilings, which facilitates installation of air-conditioning, electrical, heating, smoke detection and communication equipment. A suspended ceiling using demountable tiles gives access to the plenum to allow inspection and maintenance of such concealed services. Attractive surface finishes and designs of the tiles and their superior light reflectance help to enhance interiors, besides providing acoustic control by helping to reduce sound within a room or sound transmission from room to room. The excellent thermal insulation and fire resistance properties helps to save cooling and heating expenses, and provides fire protection.

Why AEROCIL ?

Aerocil light-weight calcium silicate Ceiling Tiles offer a pleasing range of surface textures and design options to provide the desired acoustic control and meet the most demanding and creative requirements of today's interiors.

- ◆ Superior Strength
- ◆ 100% RH Humidity resistance
- ◆ Incombustible material
- ◆ Excellent thermal insulation
- ◆ Superior light reflectance
- ◆ Bio-safe and Termite resistance
- ◆ Eco-friendly green product
- ◆ Renewable by surface painting
- ◆ Range of acoustic properties



Humidity Resistant



Fire Resistance



Light-Reflectance

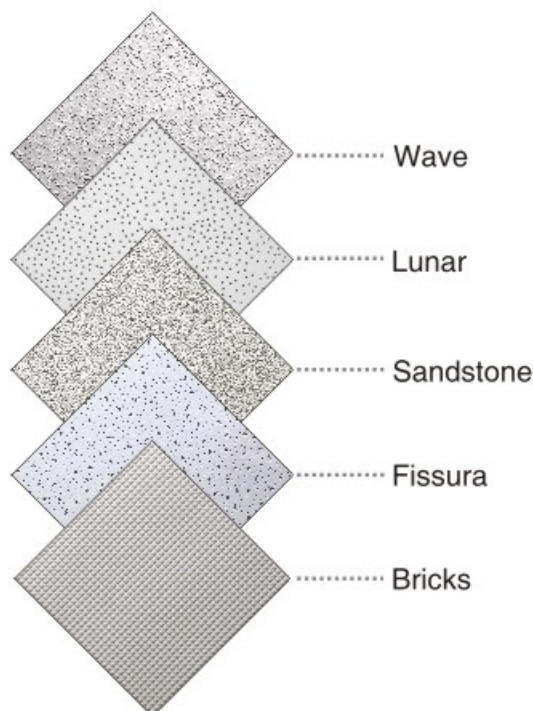


Light weight



Bio-Safe

Product Range



Size : 595mm x 595mm
Thickness : 10mm
Edge : Butt / Tegular
Customised colours on request

Applications

- ◆ Offices & Conference rooms
- ◆ Hospitals & Clinics
- ◆ Educational Institutions
- ◆ Lobbies & Corridors
- ◆ Airports & Railway Stations
- ◆ Retail outlets & Malls
- ◆ Factories & Warehouses
- ◆ Auditoriums & Theatres
- ◆ Bath / Shower areas & Kitchens
- ◆ Semi exposed areas & External canopies
- ◆ Hotels, Cafeterias & Canteens
- ◆ Buildings in high humidity areas
- ◆ Data centres & Computer rooms
- ◆ Recording Studios

Outstanding Durability



Aerocil ceilings, as a result of their composition and manufacturing process, have high flexural and edge strength which minimise the damage in handling, transportation, storage and installation of the tiles, besides facilitating demountability as per the requirements.

As **Aerocil** ceiling tiles are humidity resistant (100% RH), they will not sag even in high humidity environments.

Since **Aerocil** ceiling tiles are renewable by surface painting, they have an extended life time.

Excellent Thermal insulation



Aerocil ceilings have outstanding thermal insulation properties and this helps to maintain room comfort at all times and saves the heating and cooling expenses.

The lower energy consumption results in a eco-friendly choice for a more sustainable future.

Superior Acoustics



Aerocil ceiling tiles have good sound absorption characteristics and contribute to a noise-free environment by eliminating echo in interior spaces.

They also have excellent sound attenuation properties which prevents transmission of sound from one interior space to the adjoining spaces.

Exceptional Fire Safety



Aerocil ceiling tiles are incombustible and offer the highest degree of fire protection.

Low flame spread and smoke emission characteristics of Aerocil makes it the best choice for fire safety, thus giving more time for people to safely evacuate in case of fire.

Technical Specifications

Property	Unit	Value Range
1 Tile Dimension	mm	595 x 595 x 10
2 Weight	Kg	1.6
3 Humidity Resistance	%	100% RH
4 Noise Reduction Coefficient	—	0.20 - 0.55 Depending on product
5 Sound Attenuation	db	30-32
6 Thermal Conductivity	w/m ⁰ k	≤0.05
7 Non Combustibility	—	Incombustible
8 Light Reflectance	%	>85%
9	The Product is inherently Bio-Safe, and does not allow fungus / bacteria growth	
10	The Product does not contain Asbestos or Cement	
11	The Product is Termite resistant	

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From the House of Aerolite

ANDHRA POLYMERS PVT. LTD.,
Regd. Office: SPAN Solitaire, 6-3-1090/B/5, Raj Bhavan Road,
Hyderabad - 500 082, Telangana, India.
Mobile: 7997882444 Email: aerocil@applind.com