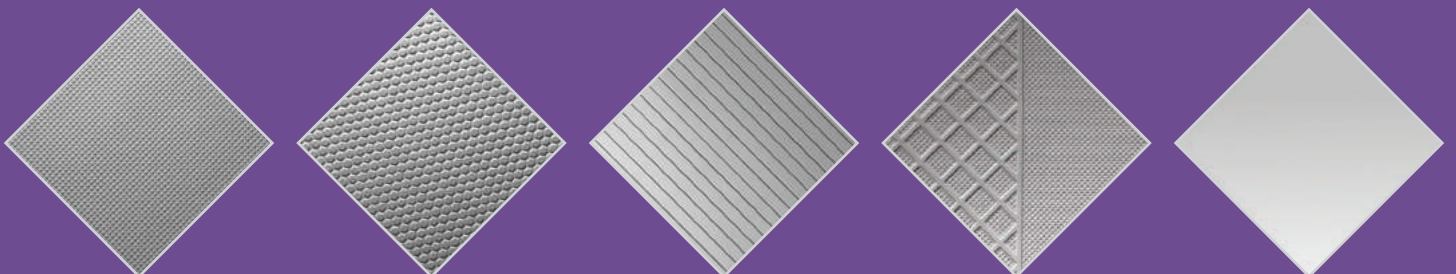




TAKING HYGIENE A STEP FURTHER



ANTI-MICROBIAL BIO-SAFE CEILING TILES



AEROLITE BIO-SAFE PROPERTY

Health requires hygiene. Hygiene requires Bio-Safety.

Discover how Aerolite ceilings offer complete antimicrobial protection for maximum Bio-Safety.

Bio-Safe ceilings

- Made of inherently inorganic material
- Anti-Microbial and Anti-Bacterial
- Fungae-free
- GRIHA accredited



Humidity

- Humidity breeds fungae
- Humidity resistant ceilings prevent the growth of the fungae
- All Aerolite ceilings are RH100 products
- RH100 ceilings are the safest option for Hospitals

Air quality

- Aerolite ceilings emit ZERO VOC
- We do not use Formaldehyde for bonding or Neocide to avoid bacteria and fungae growth



Tested stringently for Bio-Safety

Aerolite Anti-Microbial Bio-Safe ceiling tiles have been tested as per the stringent JIS-Z-2801 & ASTM-G-21 standard by NABL accredited labs and found to be completely protected from bacteria, fungi, yeast and mould when exposed at room temperature and AC temperature. These tests revealed that the tile is protected and is free from colony-forming units. This property ensures that the product can be used in healthcare facilities. As the product is inherently organic, it does not promote microbial activity.

Fire rating

Aerolite Bio-Safe ceiling tiles have been tested as per ASTM E84 and UL 723 standards and were found to be Class-1 or Class-A rated.

- Flame Spread Index(FSI) – 0 (Class 1/A: 0-25)
- Smoke Developed Index – 5 (Class 1/A: 450 maximum)



CPWD ACCREDITED ANTI-MICROBIAL BIO-SAFE COATED FALSE CEILING TILES



Government of India Central Public Works Department

DELHI SCHEDULE OF RATES 2019

Published under the Authority of Director General, CPWD, New Delhi

Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced fiber and natural filler false ceiling tiles of size 595x595 mm of approved texture design and patterns as per CPWD specifications 2019 to be laid in true horizontal level suspended on interlocking metal T grid of hot dipped galvanized iron section of 0.33 mm thick (galvanized at 120 grams per sqm including both sides) comprising of main -T runners of size 24x38 mm of length 3000mm, cross-T of size 24x32 mm of length 1200 mm and secondary Intermediate cross-T of size 24x32 mm of length 600mm to form grid module of size 600x600 mm suspended from ceiling using galvanized mild steel items (galvanizing at 80 grams per sqm) i.e., 12x50 mm long dash fasteners, 6mm dia fully threaded hanger rod up to 1000 mm length and L-shape level adjuster of size 76x25x25x1.6 mm fixed with grid and Z cleat of size 25x37x25x1.6 mm thick with precut hole on both 25mm flange to pierce into 12x50 mm or even bigger size dash fastener if require, fixed with galvanized iron perimeter wall angle of size 24x24x0.40 mm of length 3000mm to be fixed on periphery wall/ partition with the help of plastic rawl plugs at 450 mm centre to centre and 40 mm long dry wall S.S. screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-charge.

2019 DSR has been incorporated with respective items no. 26.22, 26.23, 26.24 and 26.25 of Light Weight Calcium Silicate tiles. Item No: 26.22.2 incorporates Anti-Microbial Bio-Safe coated Light Weight Calcium Silicate tiles conforming to JIS-Z-2801 and ASTM-G-21.

TEST CERTIFICATES OF OUR BIO-SAFE CEILING TILES

SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH
(A unit of Shriram Scientific and Industrial Research Foundation)
19, University Road, Delhi – 110007 (India) Website: www.shriraminstitute.org
An ISO - 9001, 14001 & OHSAS 18001 Certified Institute E-mail id: customercare@shriraminstitute.org

TEST CERTIFICATE NO: C1/0000214744

Issued To:
Client Code: JRDHY142178
AEROLITE INDUSTRIES PVT. LTD.
SY NO. 100A, PART 100A PART 100B PART 100C PART 100D
VISHVA MEKAALDA VILLAGE, NANOGRAMA MANDAL
RANGAREDDY DISTRICT
TELANGANA 500021
Kind Attn: MR. SHREYANSH KUMAR


Date: 21-03-2020
Job No: 2005-1-01-205
Booking No: R/2020/115022
Booking Date: 03-03-2020
Customer Ref No: RSR ORDER NO - APLR000178
Customer Ref No: 21-03-2020

Sample Particulars:
One sample of Calcium Silicate False Ceiling Tiles brand "AEROLITE" full size tile of 595 x 595 mm of nominal thickness - 15 mm (with Bio-Safe), marked as Sample A/ Ref No: Aerolite Ceiling Systems/21012020 was received.
"The sampling was not carried out by Shriram Institute for Industrial Research. The sample details provided in test certificate are based on declaration by the party."

Product Details: Calcium Silicate False Ceiling Tiles brand "AEROLITE"
Test: Determination of Anti Bacterial Activity and Efficacy of Calcium Silicate False Ceiling Tiles brand "AEROLITE"
Protocol: As per IS-22801-2010
Test Organisms: *Escherichia coli* and *Staphylococcus aureus*
a) Bacteria: *Escherichia coli* and *Staphylococcus aureus*
Sample Size: 30 mm x 30 mm each piece

A) Antibacterial Activity and Efficacy against *Escherichia coli*:

S.No.	Untreated sample	Count per piece of control (in cfu/piece)	Conc. of Inoculum (Average count, in cfu/piece)
1	Number of bacteria inoculated per piece at 0 hrs (U ₀)	6.7 x 10 ⁶ 7.0 x 10 ⁶ 6.9 x 10 ⁶	6.9 x 10 ⁶
2	Number of bacteria inoculated per piece after 24 hrs incubation (U ₂₄)	6.2 x 10 ⁵ 6.0 x 10 ⁵ 6.2 x 10 ⁵	6.3 x 10 ⁵


AUTHORIZED SIGNATORY
EMPLOYEE CODE: S 1117

GC-01/Rev-03 1/2
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Phone: 91-11-27687100, 27687257, 27687360 Fax: 91-11-27687287
See overleaf for terms & conditions

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Test: Determination of Anti Bacterial Activity and Efficacy of Calcium Silicate False Ceiling Tiles brand "AEROLITE"
Protocol: As per IS-22801-2010
Test Organisms: *Escherichia coli* and *Staphylococcus aureus*
a) Bacteria: *Escherichia coli* and *Staphylococcus aureus*
Sample Size: 30 mm x 30 mm each piece

A) Antibacterial Activity and Efficacy against *Escherichia coli*:

S.No.	Untreated sample	Count per piece of control (in cfu/piece)	Conc. of Inoculum (Average count, in cfu/piece)
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2	Number of bacteria inoculated per piece after 24 hrs incubation (U ₂₄)	6.2 x 10 ⁵ 6.0 x 10 ⁵ 6.2 x 10 ⁵	6.3 x 10 ⁵


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Product Details: Calcium Silicate False Ceiling Tiles brand "AEROLITE"
Test: Determination of Anti Bacterial Activity and Efficacy of Calcium Silicate False Ceiling Tiles brand "AEROLITE"
Protocol: As per IS-22801-2010
Test Organisms: *Escherichia coli* and *Staphylococcus aureus*
a) Bacteria: *Escherichia coli* and *Staphylococcus aureus*
Sample Size: 30 mm x 30 mm each piece


A) Antibacterial Activity and Efficacy against *Escherichia coli*:

S.No.	Untreated sample	Count per piece of control (in cfu/piece)	Conc. of Inoculum (Average count, in cfu/piece)
1	Number of bacteria inoculated per piece at 0 hrs (U ₀)	6.7 x 10 ⁶ 7.0 x 10 ⁶ 6.9 x 10 ⁶	6.9 x 10 ⁶
2	Number of bacteria inoculated per piece after 24 hrs incubation (U ₂₄)	6.2 x 10 ⁵ 6.0 x 10 ⁵ 6.2 x 10 ⁵	6.3 x 10 ⁵

B) Antibacterial Activity and Efficacy against *Staphylococcus aureus*:

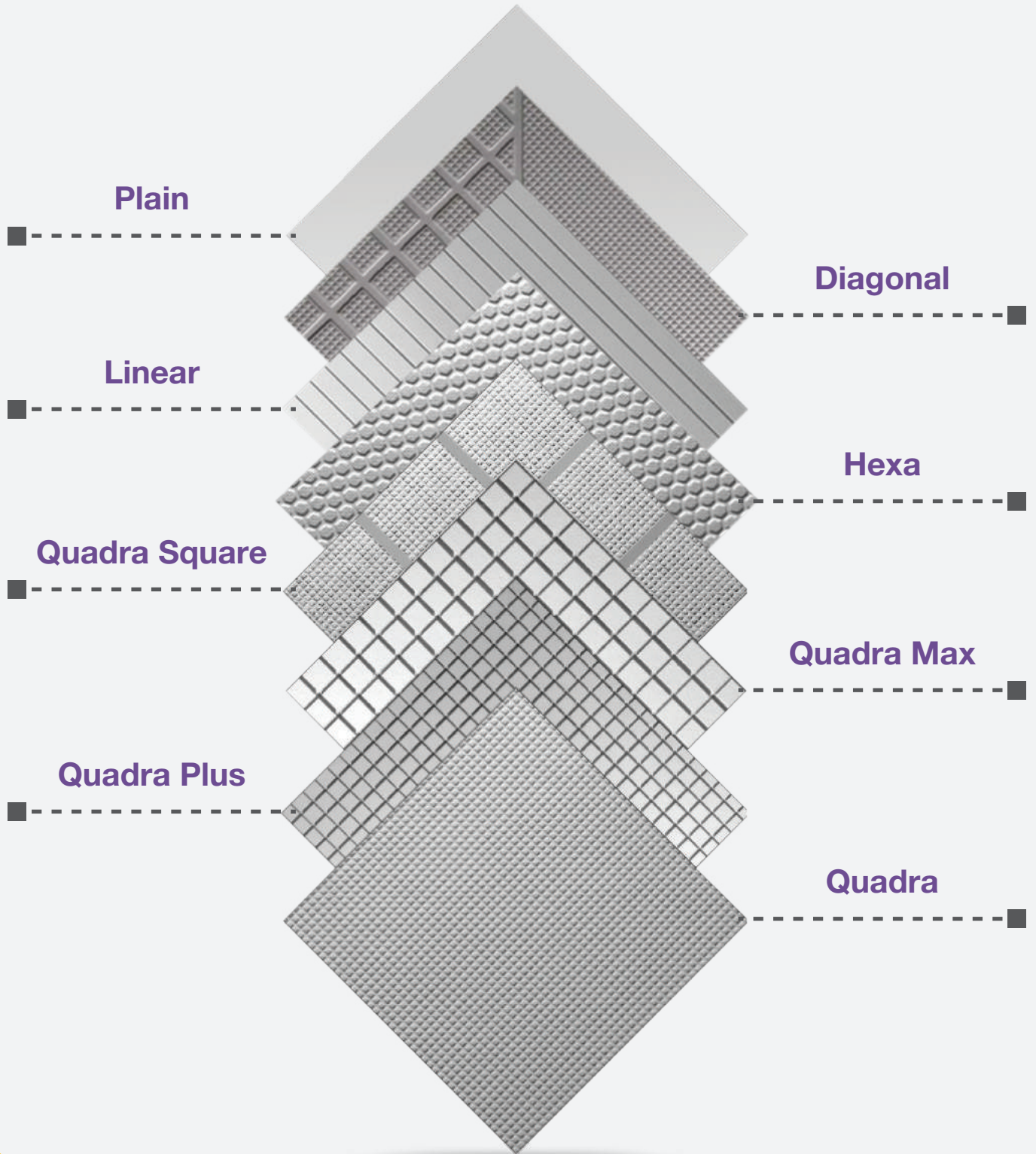
S.No.	Untreated sample	Count per piece of control (in cfu/piece)	Conc. of Inoculum (Average count, in cfu/piece)
1	Number of bacteria inoculated per piece at 0 hrs (U ₀)	5.8 x 10 ⁶ 5.4 x 10 ⁶ 5.4 x 10 ⁶	5.5 x 10 ⁶
2	Number of bacteria inoculated per piece after 24 hrs incubation (U ₂₄)	4.5 x 10 ⁵ 5.3 x 10 ⁵ 4.7 x 10 ⁵	4.8 x 10 ⁵

Interpretation: The antibacterial activity and Efficacy of Calcium Silicate False Ceiling Tiles brand "AEROLITE" was found 5.80 against *Escherichia coli* and 5.68 against *Staphylococcus aureus*, which are above the value of 2.0 as per IS-22801. Hence we confirm the sample passes the test in this regard.


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THE BIO-SAFE RANGE OF DESIGNS





About us:

We are the only manufacturers of **non-combustible lightweight calcium silicate ceilings** in India. Our first manufacturing unit was set up in Hyderabad in 2002. In April 2019, we commissioned a second plant in Hyderabad which boasts **state-of-the-art technology** and process automation. We are now a strong team of 250+ employees with a strong client base in the public and private sector spread over all regions of India.

An aspect of pride:



We have been envisioning an **#AatmanirbharBharat** since our inception. We do not import any raw material and technology for manufacturing our products. We are extremely proud to be doing our part in making our India self-sufficient. We encourage our partners and associates to go **#VocalForLocal** by choosing indigenous products like Aerolite.

WE ARE 100% MADE IN INDIA

Contact us:

Aerolite Industries Private Limited
Mekaguda Village, Nandigama (Mandal).
Ranga Reddy District - 509 223,
Telangana, India.



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AeroliteCeilingSystems



Aerolite Ceiling Systems

Aerolite®
Lightweight Calcium Silicate Ceilings