

COMPANY PROFILE



Index

1.	Company Introduction	1
2.	CEO Message	2
3.	Our History	3
4.	Made In India	4
5.	Product Application	5
6.	Green – Sustainability	6
7.	10 Good Reasons to Choose Himalayan Acoustics	7
8.	Accreditations	8
9.	Importance of Acoustics in our day to day life	9
10.	Co-relation of Acoustic Treatments & Product Parameters & Our 360° Approach	10
11.	Acoustics Fundamentals of Sounds	11-13
12.	Acoustics Material with Different Core	14-15
13.	Carbon Dioxide Adsorber for Indoor & Outdoor Application	16
14.	Our Products with Certificates	17-31
15.	Our Projects	32-62
16.	Certificates	63-68
17.	Our Prestigious Clients	69-72
18.	Project List Private Sector	73-75
19.	Project List Government Sector	76

Company Introduction



Kool Pack & Allied Industries Head Quarters, Dharampur, H.P, India



15 Years + Experience in Manufacturing & R&D



Lab Certified Products for Excellent Performance

In House Services for –



- a. Acoustic R&D and Product Design
- b. Our Own Team of Engineers & Architects
- c. Our Own Team of Installers
- d. Acoustic Measurement, Testing & Commissioning
- e. Handover & Product Familiarization Program



60+ Range of Product Solutions



500+ Projects Delivered & Still Counting



Global OEM & Export Collaboration



Made India - Specializing “ONLY” in Sound Proofing Solutions



Direct Presence in All Metro & Major Cities

Himalyan Acoustics is a premium brand of Kool Pack & Allied Industries which is an ISO 9001:2015 and ISO 14001:2015 company. ISO 14001:2015 is specifically relates to an effective environmental management system to enhance an organizations commitment towards the environment. As an industrial organization we realize our responsibility towards the environment and that is why we focus on enhancing our environmental performance by ensuring that our environmental policy is in line with the requirements and Standards mentioned as per the framework provided by ISO 14001.

Under the brand name of Himalyan Acoustics we are manufacturing wood fiber cement composite since 2005. This is a composition which is widely used across the globe. This cement based composition gives excellent results to the final products as compare to any other chemical bonded product available in the market. We are manufacturing wide range of acoustical items which are used for Absorptions, Insulations & Diffusions. We are manufacturing a very strong product line to cater to the growing needs of the market. All our products are tried, tested and trusted. All of our products are tested as per American standards for materials (ASTMD). We hold certifications from the best testing laboratories in INDIA & International. We strictly follow the quality checks at every step during our manufacturing process to maintain our quality standards. At Himalyan Acoustics we always try to ensure the best quality standards in the market.

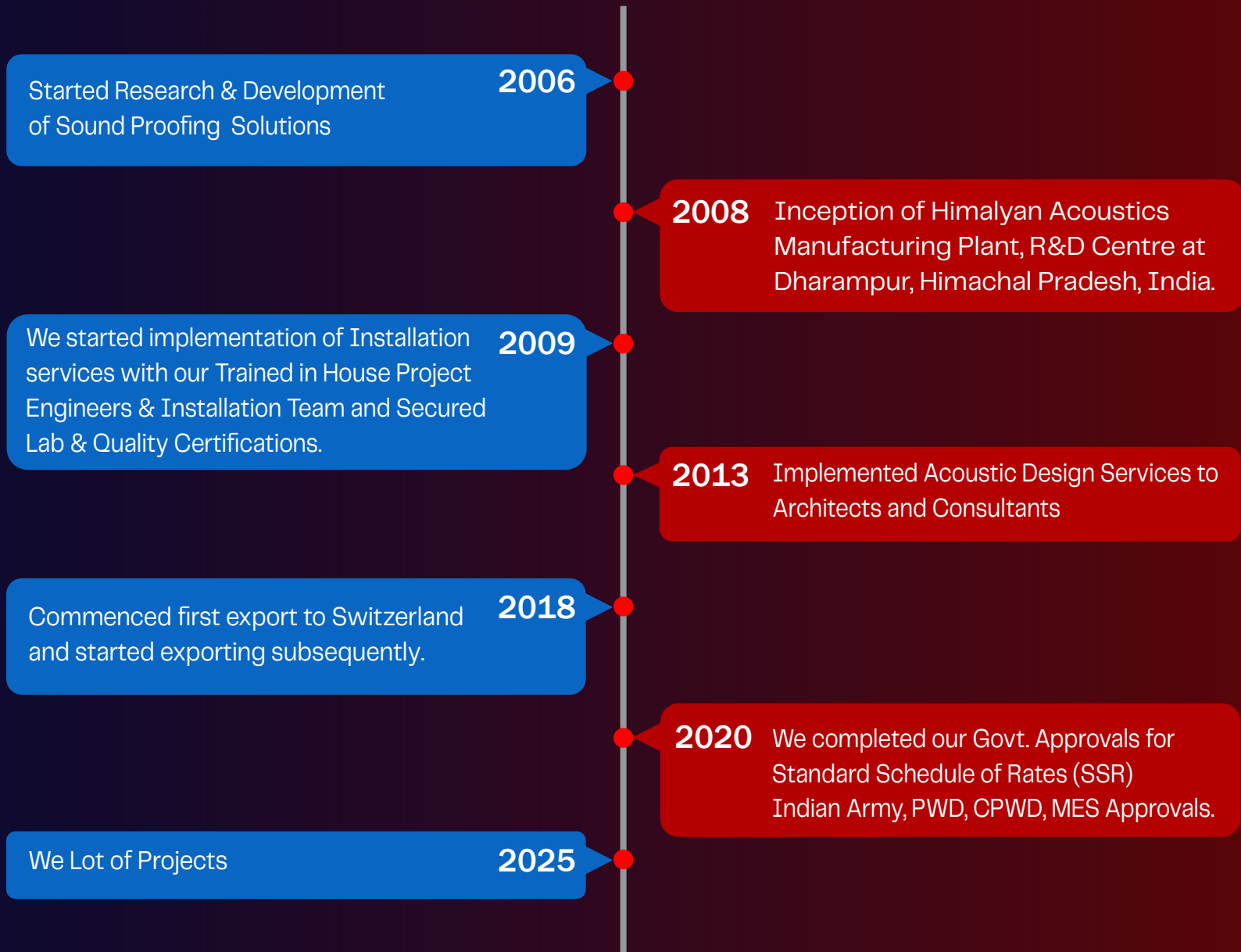
CEO Message



Mohit Munshi
Founder & CEO

“Our endeavour is to ensure that the products which we manufacture have no defects because sustainable development in the country is being made possible only by following high-quality manufacturing standards & minimizing environmental and ecological impact. We manufacture only green products as I personally feel it's our duty towards the nature, environment and the society.”

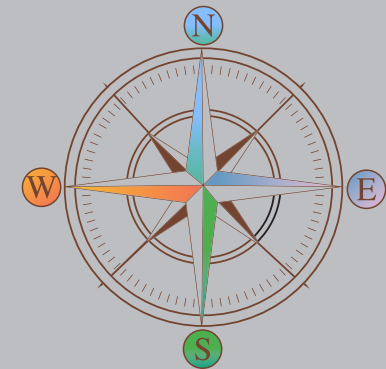
Our History



MADE IN INDIA – Our Presence



PAN INDIA OPERATIONS



R&D, Works & Head Office

- Dharampur, Solan
Himachal Pradesh

Zonal Sales Presence

- Himachal Pradesh
- Punjab
- Delhi & NCR
- Maharashtra
- Karnataka
- Madhya Pradesh
- West Bengal



Hospitals
20+



Office
30+



Cinemas
40+



Auditoriums
50+



Conference Halls
40+



Disco's
30+



Worship Places
50+



Banquet Halls
40+



Restaurants
40+



Gymnasiums
30+



Home Theaters
40+



Studios
50+

Green – Sustainability



Indoor
Air Quality



Made In
India



Recyclability



Reusability



Acoustics &
Thermal Insulation



Non-Toxic
Flame



Himalyan Acoustics **Wood Fibre Acoustics Panel** are extracted from
Fallen Pine Wood which is procured from
Himachal Pradesh state Forest Corporation Ltd. (Govt entity) INDIA
Which provides revenue to maintain forests



10 Good Reasons to Choose Himalyan Acoustics



Head Quarters,
R&D Plant
in Dharampur,
Himachal Pradesh,
India



500+ Projects
Delivered &
Still Counting



Made in India &
"ONLY" Specializing
in Sound Proofing
Solutions



Direct Presence
in all Metro &
Major Cities



Acoustic Experts in
Absorption, Insulation
& Isolation



In house
Acoustic Engineers ,
Architects &
Installation Team



We can provide
reverberation time
at the design stage
only



Anti Fungal,
Antibacterial & CO2
Adsorbing Properties



Green Products



Lab Certified
Products

**acoustic panels with
negative carbon footprint**

**"INTRODUCING CARBON
ADSORBER PANELS"**

**1st to manufacture woodfibre
cement composite in INDIA**

Quality Certifications



Griha



National Physical
Laboratory



PRASAR BHARTI



CBRI



ISO

Power Packed Lab Certifications



1 NRC



Co2 Adsorbent



Eco Friendly



Fire Resistant



Humidity Resistance



Anti Bacterial



Termite Resistant



Anti Fungal



All Weather

Governments Approvals



MES

NAVY, AIRFORCE & COAST GUARD
Part of STANDARD
SCHEDULE RATES - MES



CPWD



INDIAN RAILWAYS



PWD
STATE GOVERNMENT

Importance of acoustics in our day to day life

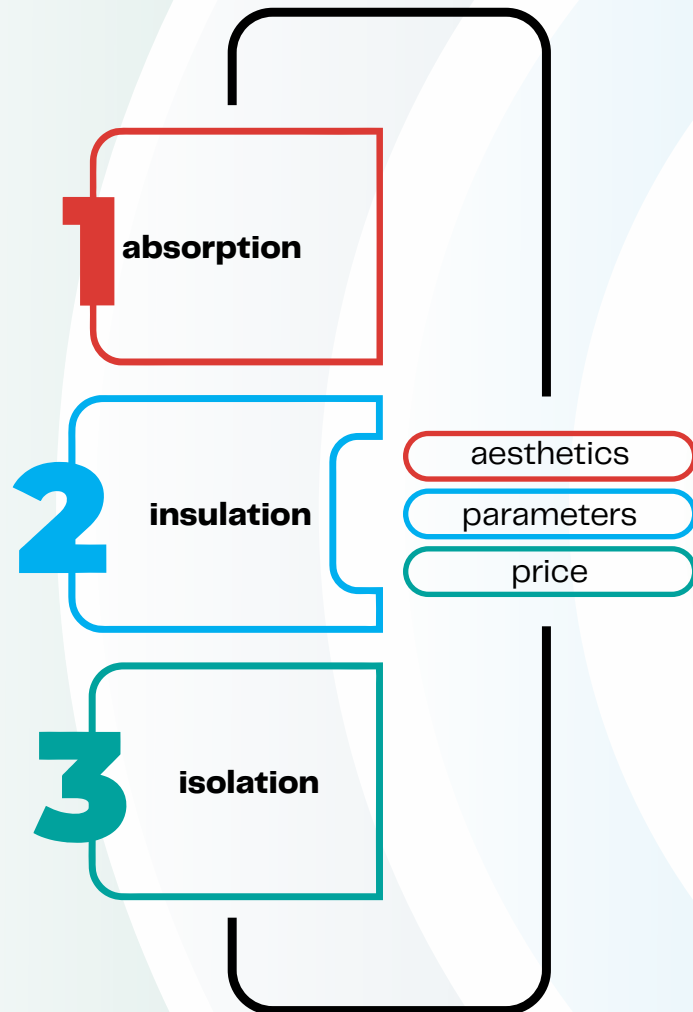


Sound plays a vital role in our day to day life but perception of sound varies from person to person. For someone the music gives healing and for someone this is a mere noise.

Any improper sound could lead to problems like...



- Blood Pressure
- Annoyance
- Hypertension
- Heart Diseases
- Sleeping Disorders
- Disturbance
- Frustration
- Hearing Problems



Bad Sound Behavior

echo / reverberation

inaudibility

unpleasantness

noise

Acoustic Treatments

absorption

insulation

isolation

diffusion

How to Measure Sound

NRC - Noise reduction Coefficient / The term to measure the absorption value of the product is called NRC.

STC - Sound Transmission Class / The term to measure the blocking value of the product is called STC.

dB - Decibel Levels / a unit used to measure the intensity of a sound or the power level of an electrical signal by comparing it with a given level.

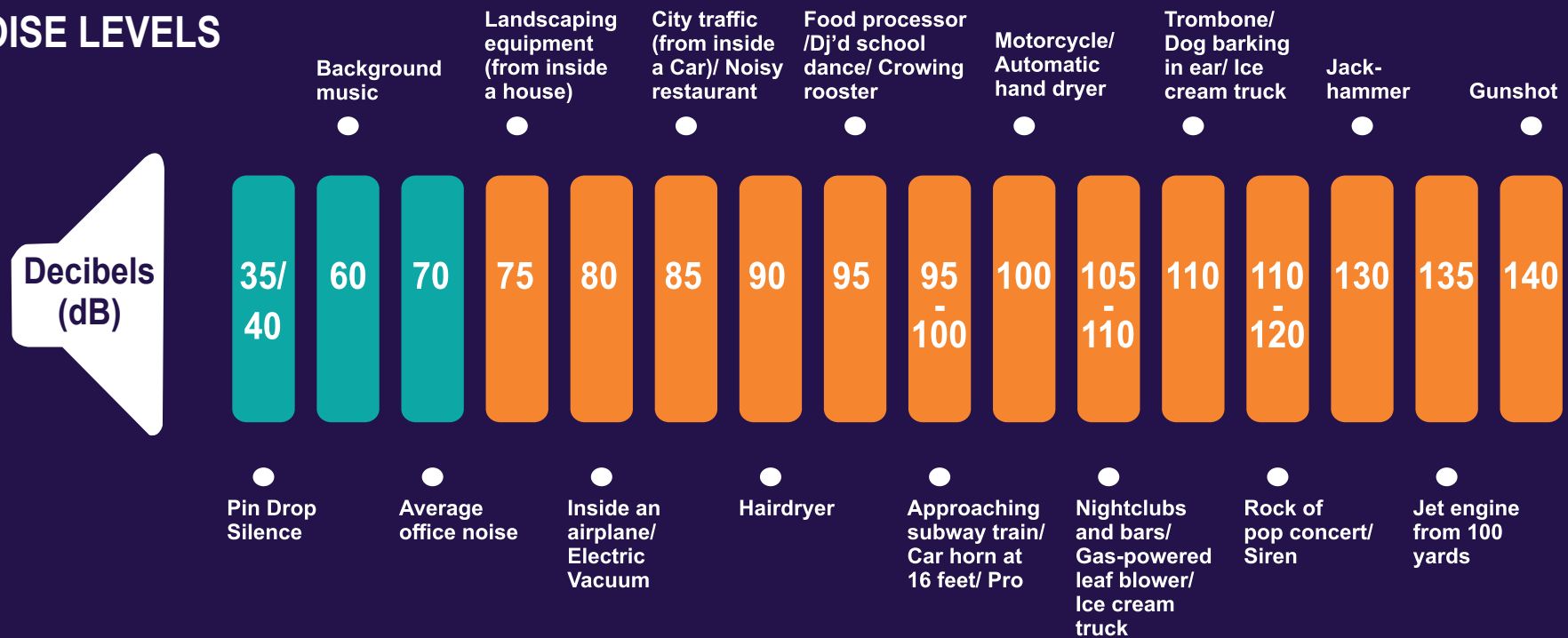
RT- Reverberation Time / is the time take by sound energy to die down.

Hz- Hertz is the term to measure frequencies.

SPEECH INTELLIGIBILITY - is a measure of the quality of the speech Intelligibility.

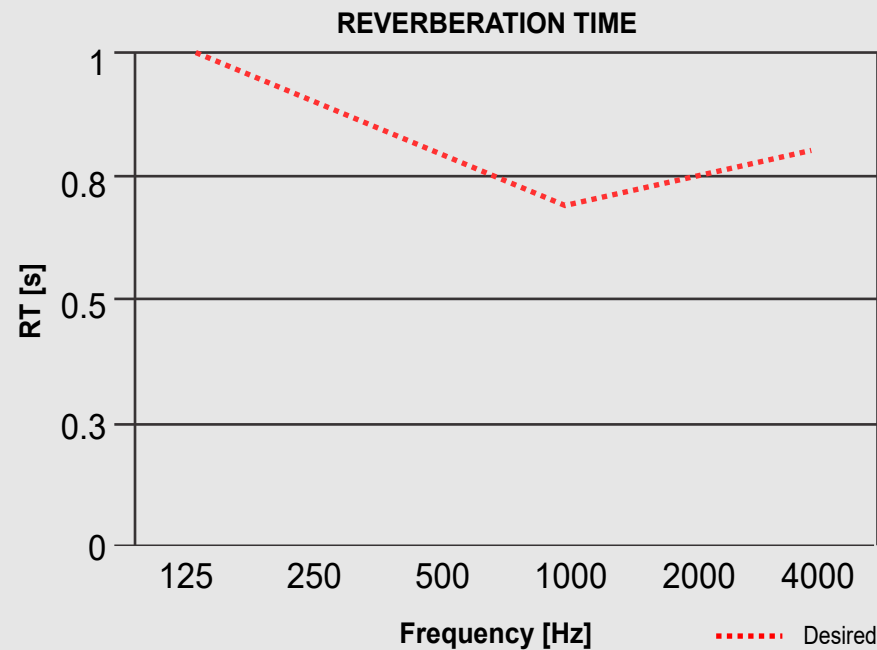
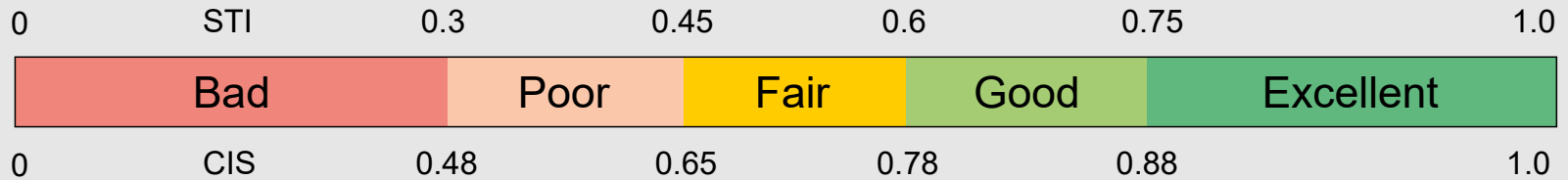
Acoustics Fundamentals of Sound

NOISE LEVELS



Sounds at or below 70 dB are safe. Sounds above 70 dB can harm hearing over time.

To get the correct (STI) we need to achieve the correct RT 60



 **We have acoustic material with different core, designed to control Low, Mid, High, and Broadband Frequencies.**

 **Each material is carefully engineered to improve sound quality, reduce noise, and enhance the beauty of your space.**

Acoustics Material with Different Core

- 1. Wood Fiber Cement Composite Panels (BBF)**
Natural & Green Materials

- 2. Wooden Look Panels (LF & MF)**
MDF/HDF, Micro Perforated Panels

- 3. Glass Fibers Range (MF)**
Glass fiber material

- 4. Polyester-Based Panels (MF)**
Recyclable polyester fibers

- 5. Elegant Perforated Range of Materials (LF)**
Perforated engineered material

- 6. Fabric Looking Acoustic Panels (LF, MF, HF)**
Fabric-wrapped acoustic material

- 7. Drywall Partition Range (BBF)**
Gypsum and board systems

- 8. Acoustic Doors (Fire-Rated & Non-FR) (BBF)**
For all applications

- 9. Stage Flooring & Carpets (MF)**
Wooden flooring & fabric carpet layers

Carbon Dioxide Adsorber for Indoor & Outdoor Application

HIMALYAN ACOUSTICS is proud to launch **CARBON ADSORBER PANELS**, first of its kinds panels high on performance for **NOISE POLLUTION** acoustical **facades sound barrier (adsorb air pollution)**

PRODUCT HIGHLIGHTS & BREIF FEATURES

1. Adsorb Air Pollution
 - a. Nitrogen Dioxide (No)
 - b. Sulphur Dioxide
 - c. Carbon Dioxide
2. Excellent Sound Isolation
3. Eco Friendly
4. Repaint able Maintenance
5. Traffic Noise Insulation
6. High Thermal Insulation
7. Fire Resistant
8. Termite & Vermin Resistant
9. Lightness
10. Workability
11. Weather and Water Resistant
12. Strength
13. Durability
14. Easy to Install
15. Carbon Monoxide



NRC1



Carbon
Adsorber



Anti
Fungal



Anti
Bacterial
Elegant



Anti
Pollution



ISO
Certified



Griha
Certified



Termite
Resistant



All
Weather



Eco
Friendly



Fire
Resistance



Humidity
Resistance

S. No.	Parameters	Unit	Test Result without Acoustical Facades	Test Result with Acoustical Facades	Pollution Absorption Data	Pollution Absorption Percentage %	OSHA 34304:2011 Standards (Maximum Allowable Limit)	Test Method
1	Nitrogen Dioxide (No ₂)	ppm	1.181	0.177	1.004	85.01	5	IS:5182 (P-6)
2	Sulphur Dioxide	ppm	0.117	0.03	0.087	74.36	5	IS:5182 (P-2)
3	Carbon Dioxide	ppm	1355	352	1003	74.02	5000	FL/SOP/GC25
4	Carbon Monoxide	ppm	1.5	1.25	0.25	16.67	50	FL/SOP/GC25

aphony **fibrette, gloss, grace, fibril & doodle**

Finish	Natural & Gloss
Core	Wood Fibre
Performance	0.6 – 1.00 NRC
Application	wall & ceiling



NRC1



Anti Fungal



Anti Bacterial
Elegant



ISO Certified



Griha Certified



Termite Resistant



All Weather



Eco Friendly



Fire Resistance



Humidity Resistance

APHONY FIBRETTE NRC-1



PRASAR BHARATI
(Broadcasting Corporation of India)
Research Department
All India Radio & Doordarshan
14-B I. P. Estate, Ring Road
New Delhi-110002.



Group **Acoustic Lab** Testing Date 29.08.2011

Test Report No.33/10-11

Description of Test Specimen:

Client: M/s Kool Pack & Allied Industries, Solan, H.P

Sample Name: Aphony Fibrette' Wood Fibre Cement Composite

Test Combination: As per Profile

Surface Area of Sample: 10 Sqm

Density: 400 Kg/M3

Thickness: 120 mm (Profile Thickness)

Description of Laboratory:

Type of Mounting: A Type

Volume of RT Room: 151 m³

Temperature: 31 °C

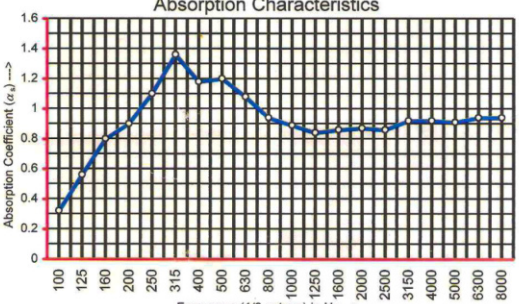
Humidity: 80 %

Type of Noise: Pink

Using NOR121

Profile: 50mm Air Gap+ 50mm Glass Wool (D:24Kg/m3) wrapped with absorbed fiber+AphonyFibrette Slabs(Density:400Kg/m3, Size:600mmx1200mm X20mm)

Absorption Characteristics



1.015 **NRC** 1.00

Fre.(Hz)	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5K
ABS.Coeff.	0.32	0.56	0.8	0.9	1.1	1.36	1.18	1.2	1.08	0.94	0.89	0.84	0.86	0.87	0.86

Fre.(Hz)	3.15k	4k	5k	6.3k	8k
ABS.Coeff.	0.92	0.92	0.91	0.94	0.94

Method of Measurement: IS:8225/ ISO: 354/ASTM 423C

Asstt. Engr (Signature) Asstt. Director Engr (R)/Director Engr (R) (Signature)

प्रसार भारती/Research Dept.
आकाशवाणी एवं दूरदर्शन
All India Radio & Doordarshan
14-B I.P. एस्टेट, नई दिल्ली-110002
I. P. Estate, New Delhi-110002

APHONY GLOSS NRC-0.90



PRASAR BHARATI
(Broadcasting Corporation of India)
Research Department
All India Radio & Doordarshan
14-B I. P. Estate, Ring Road
New Delhi-110002.



Group **Acoustic Lab** Testing Date 24.03.2011

Test Report No.06/11-12

Description of Test Specimen:

Client: M/s Kool Pack & Allied Industries

Sample Name: Aphony Gloss-20 mm

Test Combination: G W*+ Aphony Gloss(20mm)

Surface Area of Sample: 10 Sqm

Density: 400+24 Kg/M3

Thickness: 70 mm

Description of Laboratory:

Type of Mounting: A Type

Volume of RT Room: 151 m³

Temperature: 25 °C

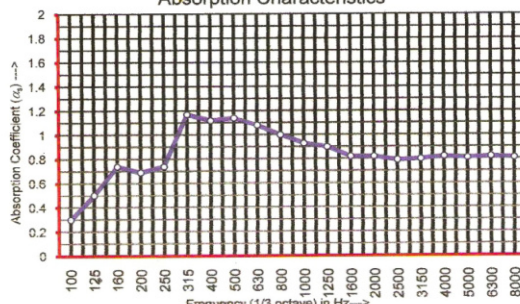
Humidity: 50

Type of Noise: Pink

Using NOR121

Profile: * Glass Wool Thickness 50mm (Wrapped with Absorb Fiber) 24Kg/M3

Absorption Characteristics



0.908 **NRC** 0.90

Fre.(Hz)	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5K
ABS.Coeff.	0.3	0.5	0.74	0.69	0.74	1.17	1.12	1.14	1.08	1	0.93	0.9	0.82	0.82	0.79

Fre.(Hz)	3.15k	4k	5k	6.3k	8k
ABS.Coeff.	0.8	0.82	0.81	0.82	0.81

Method of Measurement: IS:8225/ ISO: 354/ASTM 423C

Asstt. Engr (Signature) Asstt. Director (R)/Dy. Director (R) (Signature)

प्रसार भारती/Research Dept.
आकाशवाणी एवं दूरदर्शन
All India Radio & Doordarshan
14-B I.P. एस्टेट, नई दिल्ली-110002
I. P. Estate, New Delhi-110002

APHONY GRACE NRC-0.70

PRASAR BHARATI
(India's Public Service Broadcaster)
Research Department
All India Radio & Doordarshan
14-B I. P. Estate, Ring Road
New Delhi-110002.

Group Acoustic Lab Testing date 19.02.16

Test Report No. - 35/15-16

Description of Test Specimen:
Manufacturer: Kool Pack & Allied Industries
Sample Name: Aphony Grace (wood fiber cement composite covered with absorptive tissue)
Test Combination: Aphony Grace with 400 mm air gap
Surface Area of Sample: 10 Sqm, (size 600x1200 mm)
Density:
Thickness: 15mm

Description of Laboratory:
Type of Mounting: E
Volume of RT Room: 151 m³
Temperature: 20 °C
Humidity: 74%
Type of Noise: Pink
Equipment: NOR121

Absorption Characteristics

MEASURED DATA: 0.718 **NRC** 0.70

Fre. (Hz)	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k
ABS. Coeff.	0.7	0.88	0.78	0.79	0.84	0.85	0.74	0.66	0.74	0.73	0.68	0.66	0.7	0.69	0.72

Fre. (Hz)	3.15k	4k	5k	6.3k	8k
ABS. Coeff.	0.73	0.75	0.77	0.83	0.82

Method of Measurement: IS:8225/ ISO: 354/ASTM 423C

Asstt. Engineer: [Signature]
Asstt Director (E): [Signature]
Director (E): [Signature]

All India Radio & Doordarshan
I.P. Estate, New Delhi-110002

APHONY FIBRIL NRC-0.70

राष्ट्रीय भौतिक प्रयोगशाला
(वैज्ञानिक एवं औद्योगिक अनुसंधान परिषद्)
NATIONAL PHYSICAL LABORATORY
(Council of Scientific and Industrial Research)
Dr. K. S. Krishnan Marg, New Delhi - 110 012, INDIA
Phone: 91 - 11 - 45608441, 8589, 8610, 9447
Fax: 91 - 11 - 45608448
E - mail: cfct@nplindia.org
Website: www.nplindia.org

TEST REPORT ON
SOUND ABSORBING MATERIAL

Date	Test Report No.	Page	No. of Pages
28-04-2010	09121400/1.07A/T-014	2	2

A loudspeaker with uniform spherical radiation was used as the source of sound suspended at a height of 2.5 m above the floor in one corner while the microphone was kept in different locations near the other corners of the room and at least 1 m away from any surface. The material was kept with 50 mm glass wool backing so as to get an exposed sample area of 10.8 m².

Measurements were made by using 1/3 octave bands of random noise and several decay rates were determined for each of the microphone and loudspeaker positions. The sound absorption coefficient was calculated and the correction for boundary absorption was also applied. The results were:

Frequency Hz	Sound Absorption Coefficient	NRC
125	0.32	0.70
250	0.70	
500	0.78	
1000	0.70	
2000	0.61	
4000	0.53	

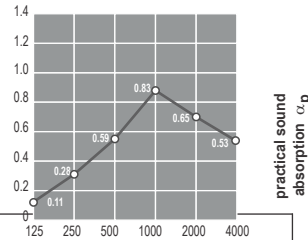
The evaluated uncertainty in measurement is $\pm 5\%$ which is at a coverage factor $k=2$ and which corresponds to a coverage probability of approximately 95 % for a normal distribution.

8. Date of Testing: 20-04-2010

Remarks: [Signature]
Tested By: [Signature]
Checked by: [Signature]
Issued by: [Signature]

aphony **fibrette UD**

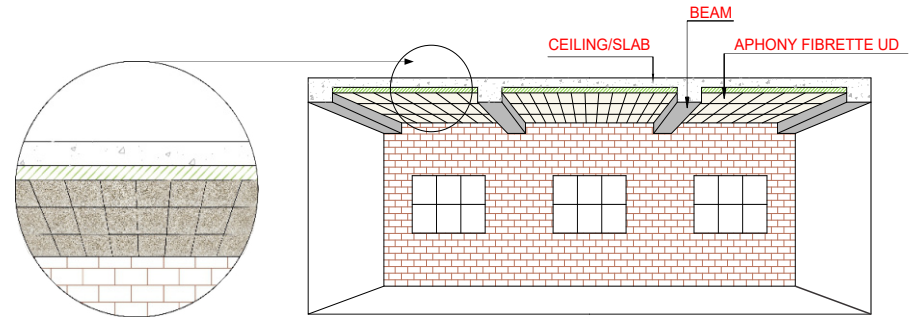
Core Wood Fibre
Application Ceiling



Sizes	600X600 mm / 600x1200 mm					
Thickness	15, 20, 25 mm					
Edge Profile	Square					
NRC	125	250	500	1000	2000	4000
	0.11	0.28	0.59	0.83	0.65	0.53
Fire Rating	ASTMD-876, Self Extinguishing, BS 476					
Density	400-500 Kg/M ³					
Mass Per Unit Area	9 Kg/m ² for (20mm)					
Eco-friendly	Yes (As per IEC-62321, EDI (III/54/CDV) EPA 3540C)					
Deflection Test	Yes (As per IS: 3308-1981)					
Thermal Conductivity	0.182 w/m.k					
Moisture Resistant	Water/Environmental test/at 60 celcius with 90% RH No. deterioration					

ADVANTAGES

1. Sound Insulation at the time of construction itself
2. In-situ application Saves 30% installation cost
3. Blanket insulation throughout the slab
4. Fire rated, exterior grade, robust no maintenance product
5. Slab become fire regardant and doesn't crack / delays crack in case of fire.
6. Thermal insulation for top floors slabs.
7. Applicable for Commercial, Residential, Hospital, Auditorium, Multipurpose hall slabs



BEFORE INSTALLATION

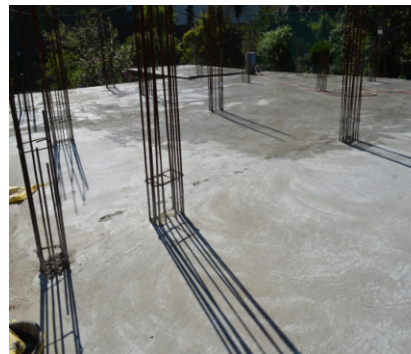


TOP VIEW



TOP VIEW

AFTER INSTALLATION



TOP VIEW



INNER VIEW

woodlot, micro perforated & wooden dot

Finish	Laminate & Veneer finish
Core	Acoustic MDF & Ply
Performance	0.40 – 0.88 NRC
Applicatin	wall & ceiling



WOODLOT NRC-0.88

PRASAR BHARATI
(Broadcasting Corporation of India)
Research Department
All India Radio & Doordarshan
14-B I. P. Estate, Ring Road
New Delhi-110002.

Group Acoustic Lab Date: 29.05.13

Test Report No 04/13-14

Description of Test Specimen :
Manufacturer: M/s Kool Pack & Allied Industries
Sample Name: Wood panel
Test Combination: Wood panel+50mm absorbwool+50mm airgap
Surface Area of Sample: 10 Sqm
Density: 400 kg/m3(wp)+1000gsm(Absorbwool)
Thickness: 15 mm

Description of Laboratory:
Type of Mounting : E Type
Volume of RT Room: 151 m³
Temperature: 36 °C
Humidity: 25%
Type of Noise: Pink Using NOR121

Absorption Characteristics

MEASURED DATA: 0.878 **NRC** 0.88

Fre.(Hz)	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k
ABS. Coeff.	0.23	0.55	0.58	0.74	0.83	1.1	1.21	1.29	1.14	1.03	0.83	0.73	0.6	0.56	0.55

Method of Measurement: IS:8225/ ISO: 354/ASTM 423C

Asstt. Engineer **Dy. Director**

उप निदेशक/Deputy Director
अनुसंधान विभाग/Research Dept
आकाशवाणी एवं दूरदर्शन
All India Radio & Doordarshan
इं० प्र० एस्टेट, नई दिल्ली-110002.
I. P. Estate, New Delhi-110002

WOODEN DOTS NRC-0.70

सी एस आई आर - राष्ट्रीय भौतिक प्रयोगशाला
CSIR-NATIONAL PHYSICAL LABORATORY
(राष्ट्रियक त्वक औद्योगिक अनुसंधान परिषद)
(Council of Scientific and Industrial Research)
(National Metrology Institute (NMI), Member BIPM and Signatory CIPM - MRA)
डॉ. के. एस. कृष्णन मार्ग, नई दिल्ली-110012, भारत
Dr. K.S. Krishnan Marg, New Delhi-110012, INDIA
दूरभाष/Phone: 91-11- 4560 8441, 8589, 8610, 9447, फैक्स/Fax : 91-11-4560 8448
ई-मेल E-mail: cfct@nplindia.org वेबसाइट / website: www.nplindia.org

परीक्षण रिपोर्ट
TEST REPORT

Sound Absorbing Material

दिनांक/Date	परीक्षण रिपोर्ट संख्या/Test Report No.	पृष्ठ /Page	पृष्ठों की संख्या/No. of Pages
16-03-2020	20031342/D1.07/T-152	2	2

A loudspeaker with uniform spherical radiation was used as the source of sound suspended at a height of 2.5 m above the floor in one corner while the microphone was kept in different locations near the other corners of the room and at least 1 m away from any surface. The material was kept on rigid backing so as to get an exposed sample area of 12.0 m².

Measurements were made by using 1/3-octave bands of random noise and several decay rates were determined for each of the microphone and loudspeaker positions. The sound absorption coefficient was calculated and the correction for boundary absorption was applied. The results were:

Frequency (Hz)	Sound Absorption Coefficient (α)	NRC
125	0.33	0.65
250	1.00	
500	0.88	
1000	0.45	
2000	0.26	
4000	0.37	

The evaluated uncertainty in measurement is ± 5% which is at a coverage factor k = 2 and which corresponds to a coverage probability of approximately 95% for normal distribution.

8. Date of Testing : 05-03-2020

9. Remarks : Nil

परीक्षणकर्ता: (Dr. Kirti Soni)
जाँचकर्ता: (Dr. Mahavir Singh)
जारीकर्ता: (Dr. Sushil Kumar)
जांचकर्ता: (Dr. Mahavir Singh)

acoustic drywall partition & door with vision panel

Finish	Laminate, Veneer, Fabric, Glass, Texture, Wall Paper, Paint
Core	Sound Dampner, Iso & Acoustic wooden studs with infil
Performance	Upto 45 to 65 STC
Application	Partition



ISO
Certified



Griha
Certified



All
Weather



Eco
Friendly



Fire
Resistance



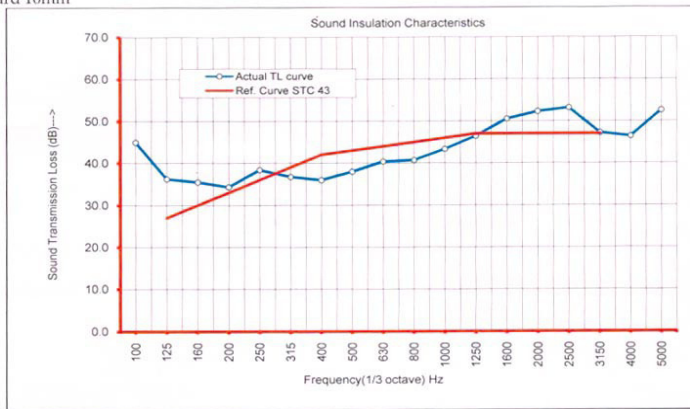
Humidity
Resistance

ACOUSTIC DRYWALL PARTITION 70 MM



Test Report No.:37/2022-23

Testing Place: Acoustics Lab (R&D)
Company: M/s Kool Pack & Allied Industries
Sample name: Acoustical Dry Wall Partition 70, ISO Board 10mm+Absorbwool 1000GSM 50mm+ISO Board 10mm



STC: 43

Measured Data:

Fre (Hz)	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k
TL(dB)	45	36.2	35.5	34.4	38.4	36.8	36.0	38.0	40.4	40.7	43.4	46.5	50.6	52.3	53.2	47.2	46.4	52.5

Method of Measurement and Evaluation: IS: 9901-III /ISO: 140/ASTM90/413

(Bani Singh)
Assistant Engineer

(G.P.Srivastava)
Deputy Director (Engg.)

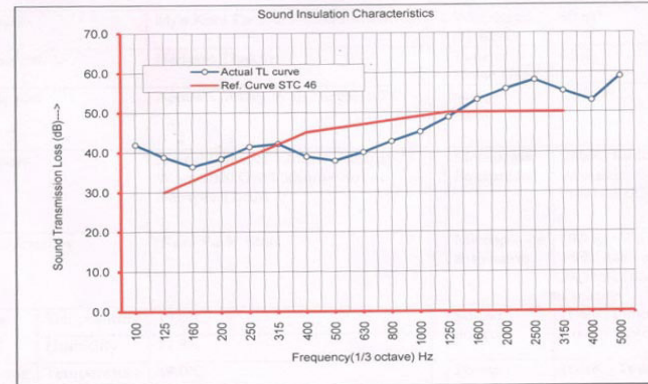
Tel. 01144714793, E-mail: cerdaidd@gmail.com, acousticslabairdd@gmail.com.

ACOUSTIC DRYWALL PARTITION 74 MM



Test Report No.:40/2022-23

Testing Place: Acoustics Lab (R&D)
Company: M/s Kool Pack & Allied Industries
Sample name: Acoustical Dry Wall Partition 74, Sound Damper 12mm+ Absorb Wool 1000 GSM 50mm+ Sound Damper 12mm



STC: 46

Measured Data:

Fre (Hz)	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k
TL(dB)	41.9	38.8	36.4	38.4	41.4	42.1	38.9	37.9	40.0	42.7	45.1	48.7	53.1	55.9	58.0	55.3	52.9	59.0

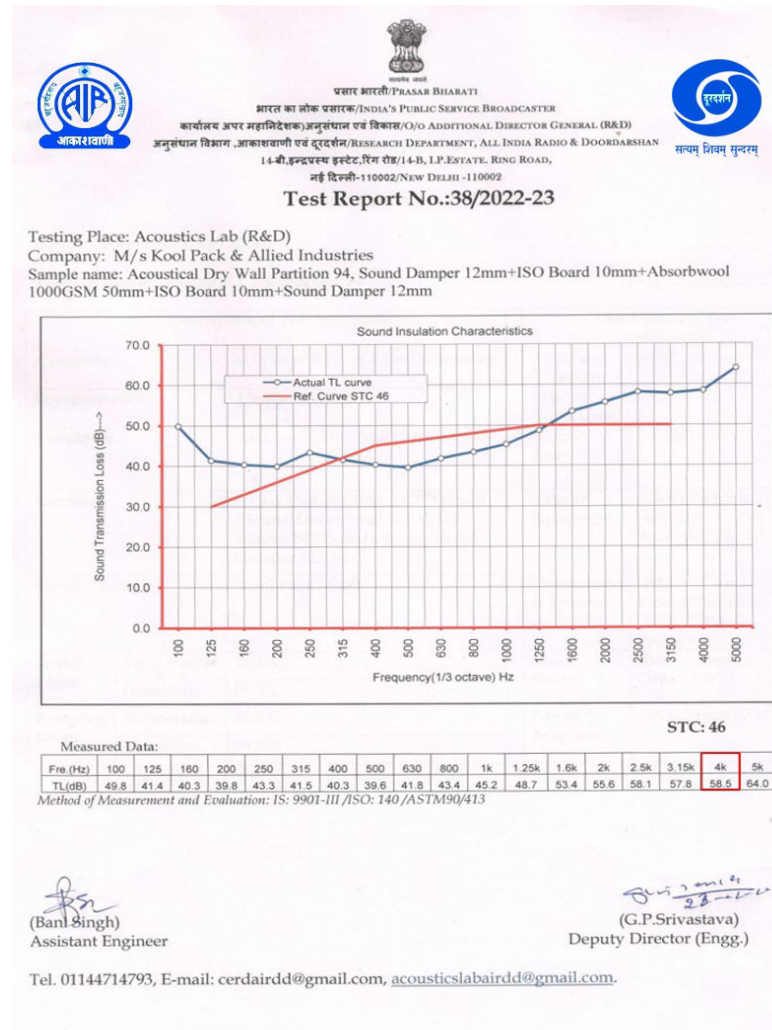
Method of Measurement and Evaluation: IS: 9901-III /ISO: 140/ASTM90/413

(Bani Singh)
Assistant Engineer

(G.P.Srivastava)
Deputy Director (Engg.)

Tel. 01144714793, E-mail: cerdaidd@gmail.com, acousticslabairdd@gmail.com.

ACOUSTIC DRYWALL PARTITION 94 MM



stretch fabric : aphony cortex, merino panel & comfy fabric

Finish	Leather & Fabric
Core	Wood Fibre, Glass Fibre & Polyster
Performance	0.8 – 1.00 NRC
Application	wall, ceiling, baffels & cloud



NRC1



ISO
Certified



Griha
Certified



All
Weather



Eco
Friendly



Fire
Resistance



Humidity
Resistance



PRASAR BHARATI
(Broadcasting Corporation of India)
Research Department
All India Radio & Doordarshan
14-B I. P. Estate, Ring Road
New Delhi-110002.



महाम् गणपतये नमः

Group **Acoustic Lab** Testing Date 26.08.2011

Test Report No.30 /10-11

Description of Test Specimen :

Client: M/s Kool Pack & Allied Industries, Solan,HP

Sample Name: AphonyCortex(Wood Fibre Cement Composite)

Test Combination: As per Profile

Surface Area of Sample: 10 Sqm

Density: 400 Kg/M3

Thickness: 129.5 mm (Profile Thickness)

Profile:
50mm Air gap+50mm thick Glass wool (D:24Kg/m3)wrapped with absorbed fiber+ Aphony cortex Slab (Size: 600mmx1200mm x25mm)wrapped with Acoustically transparent Fabric on front side HD/ LD range 4.5mm thick

Description of Laboratory:

Type of Mounting : A Type

Volume of RT Room: 151 m³

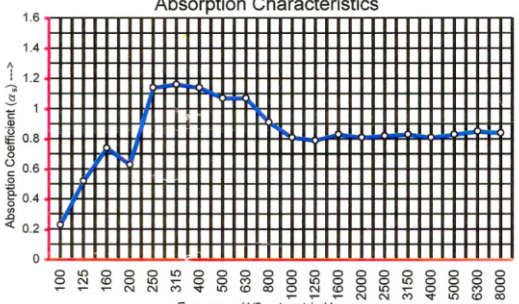
Temperature: 31 °C

Humidity: 80

Type of Noise: Pink

Using: NOR121

Absorption Characteristics



0.958 **NRC** 0.95

Fre.(Hz)	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5K
ABS.Coeff.	0.23	0.52	0.74	0.63	1.14	1.16	1.14	1.07	1.07	0.91	0.81	0.79	0.83	0.81	0.82
Fre.(Hz)	3.15k	4k	5k	6.3k	8k										
ABS.Coeff.	0.83	0.81	0.83	0.85	0.84										

Method of Measurement: IS:8225/ ISO: 354/ASTM 423C

Asstt. Engr _____ (Dr. Kirti Soni)
Asstt. Director Engr(R)/Director Engr(R) _____ (Dr. Mahavir Singh)

निदेशक/DIRECTOR
All India Radio & Doordarshan
14-B I. P. Estate, New Delhi-110002
I. P. Estate, New Delhi-110002



सी एस आई आर - राष्ट्रीय भौतिक प्रयोगशाला
CSIR-NATIONAL PHYSICAL LABORATORY
(विज्ञानिक तथा औद्योगिक अनुसंधान परिषद्)
(Council of Scientific and Industrial Research)
राष्ट्रीय मेट्रोलॉजी संस्थान
(National Metrology Institute (NMI), Member BIPM and Signatory CIPM - MRA)
डॉ. के. एस. कृष्णन मार्ग, नई दिल्ली-110012, भारत
दूरभाष/Phone: 91-11- 4560 8441,8589,8610,9447, फैक्स/Fax: 91-11-4560 8448
ई-मेल/ E-mail: cfct@nplindia.org वेबसाइट / website: www.nplindia.org



परीक्षण रिपोर्ट
TEST REPORT

Sound Absorbing Material

दिनांक/Date	परीक्षण रिपोर्ट संख्या/Test Report No.	पृष्ठ /Page	पृष्ठों की संख्या/No. of Pages
16-03-2020	20031342/D1.07/T-155	2	2

A loudspeaker with uniform spherical radiation was used as the source of sound suspended at a height of 2.5 m above the floor in one corner while the microphone was kept in different locations near the other corners of the room and at least 1 m away from any surface. The material was kept on 300 mm airgap so as to get an exposed sample area of 12.0 m².

Measurements were made by using 1/3-octave bands of random noise and several decay rates were determined for each of the microphone and loudspeaker positions. The sound absorption coefficient was calculated and the correction for boundary absorption was applied. The results were:

Frequency (Hz)	Sound Absorption Coefficient (α)	NRC
125	0.61	0.75
250	0.71	
500	0.77	
1000	0.84	
2000	0.73	
4000	0.94	

The evaluated uncertainty in measurement is ± 5% which is at a coverage factor k = 2 and which corresponds to a coverage probability of approximately 95% for normal distribution.

8. Date of Testing : 06-03-2020

9. Remarks : Nil

परीक्षणकर्ता:
Tested by: _____
(Dr. Kirti Soni)

जाँचकर्ता:
Checked by: _____
(Dr. Mahavir Singh)

प्रमोरी वैज्ञानिक:
Scientist-in-charge: _____
(Dr. Mahavir Singh)

जारीकर्ता:
Issued by: _____
(Dr. Sushil Kumar)

baffles & cloud

Finish	Natural & Gloss
Core	Wood Fibre, Glass Fibre & Polyster
Performance	0.6 – 1.00 NRC
Application	Baffle & Cloud



NRC1



ISO
Certified



Griha
Certified



All
Weather



Eco
Friendly



Fire
Resistance



Humidity
Resistance

Flooring

Finish	Polish
Core	Hardwood (Teak)
Application	Floor & Stage



ISO
Certified



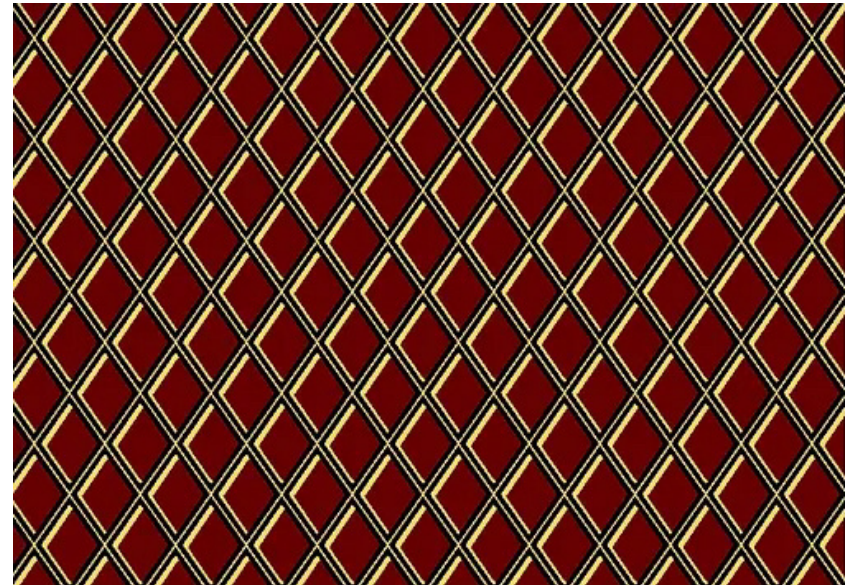
Griha
Certified



Eco
Friendly

plain & design

Finish	fabric
Core	polyester fibre / olefin freize heat set fibre
Application	floor & Stage







Prasar Bharati
 (India's Public Service Broadcaster)
 O/o Additional Director General (R&D)
 All India Radio & Doordarshan
 14-B, Ring Road, I.P. Estate
 New Delhi-110002

Test Report No.11/2022-23

File: RD (Acoustic) AIR/TV/2022-23

Testing Place: Acoustic Lab Dated: 15.09.2022

Description of Test Specimen		Description of Test Laboratory	
Company	M/s Kool Pack & Allied Industries	Type of Mounting	A Type
Representative	Mr. Hemant Thakur	Volume of RT Room	151.1 m ³
Sample name	Acoustic Carpet (Direct) 12/14 mm.	Surface Area	191.1 m ²
Test combination	Bare Material	Temperature	29.9°C
Sample assembled by	Company staff	Humidity	52.2 %
Surface area of sample	10.2m ²	Type of Noise Used	Pink
Thickness	12/14mm.	Measuring Equipment	(B&K) Building Acoustic Analyzer 2270
Density		Microphone and preamp.	(B&K) ½" Free Field 4189 mike, ZC0032 (B&K) Preamp.
		Sound Source	(B&K) Omni Power 4292-L
		Power Amplifier	(B&K) Type 2734

19-09-2022

ARUN EKKA
Asstt. Director (R&D)
All India Radio & Doordarshan
14-B, Ring Road, I.P. Estate
New Delhi-110002

19-09-2022

G.P. Srivastava
Asstt. Director (Engg.)

14-B, I.P. Estate, New Delhi-02, Tel: 01144714793 E-mail: cardarso@gmail.com, acousticslabrdd@gmail.com

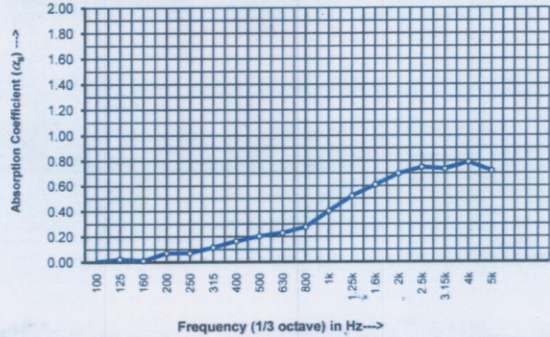
Test Report No.11/2022-23

Company: M/s Kool Pack & Allied Industries
Sample name: Acoustic Carpet (Direct) 12/14mm

Reverberation Time Data:

Freq (Hz)	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k
T ₀ (Sec)	5.70	5.79	5.34	4.55	4.40	4.07	4.45	4.89	4.70	4.34	4.10	4.02	3.85	3.68	3.47	3.20	2.90	2.51
T _m (Sec)	5.72	5.52	5.23	4.01	3.89	3.40	3.34	3.23	2.88	2.41	2.13	1.93	1.78	1.65	1.60	1.47	1.42	1.33

Absorption Characteristics



Evaluation of Absorption Coefficient 0.342 NRC: 0.35

Freq (Hz)	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k
ABS. Coef	0.00	0.02	0.01	0.07	0.07	0.11	0.18	0.20	0.23	0.27	0.40	0.52	0.61	0.70	0.75	0.73	0.79	0.72

Method of Measurement and Evaluation: IS: 8225/ ISO: 354/ ASTM 423C

19-09-2022

ARUN EKKA
Asstt. Director (R&D)
All India Radio & Doordarshan
14-B, Ring Road, I.P. Estate
New Delhi-110002

19-09-2022

G.P. Srivastava
Asstt. Director (Engg.)

















































KEYS REFERENCES : EDUCATION – UNIVERSITY



Mumbai



Rohtak



Punjab



Chandigarh



Patiala



Ludhiana



Chandigarh



Jalandhar

KEY REFERENCES : EDUCATION – SCHOOL



DHIRUBHAI AMBANI
INTERNATIONAL SCHOOL
ESTD. 2003

Mumbai



Surat



Shimla



Delhi



Pune



Noida & Ghaziabad



Kasauli



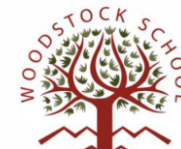
Panchkula



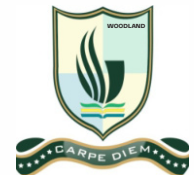
Patiala



Jodhpur



Mussorie



Hoshiarpur

KEY REFERENCES : HOSPITALITY – HOTEL



Gurgaon & Shimla



Chandigarh



Jaipur



Delhi

PARK HYATT CHENNAI™

Chennai



Jalandhar



Lucknow



Ludhiana



Rishikesh

KEY REFERENCES : HEALTH CARE – HOSPITAL



Muzaffar Nagar



Kolkata



Ludhiana & Mandi



Banaglore



Tirupati



Kasauli



Karnal



Chandigarh





KEY REFERENCES : HEALTHCARE - AUDIOMETRY ROOMS

NH Narayana Health
Health for all. All for health.

Banaglore



Muzaffar Nagar



SIEMENS
Healthcare

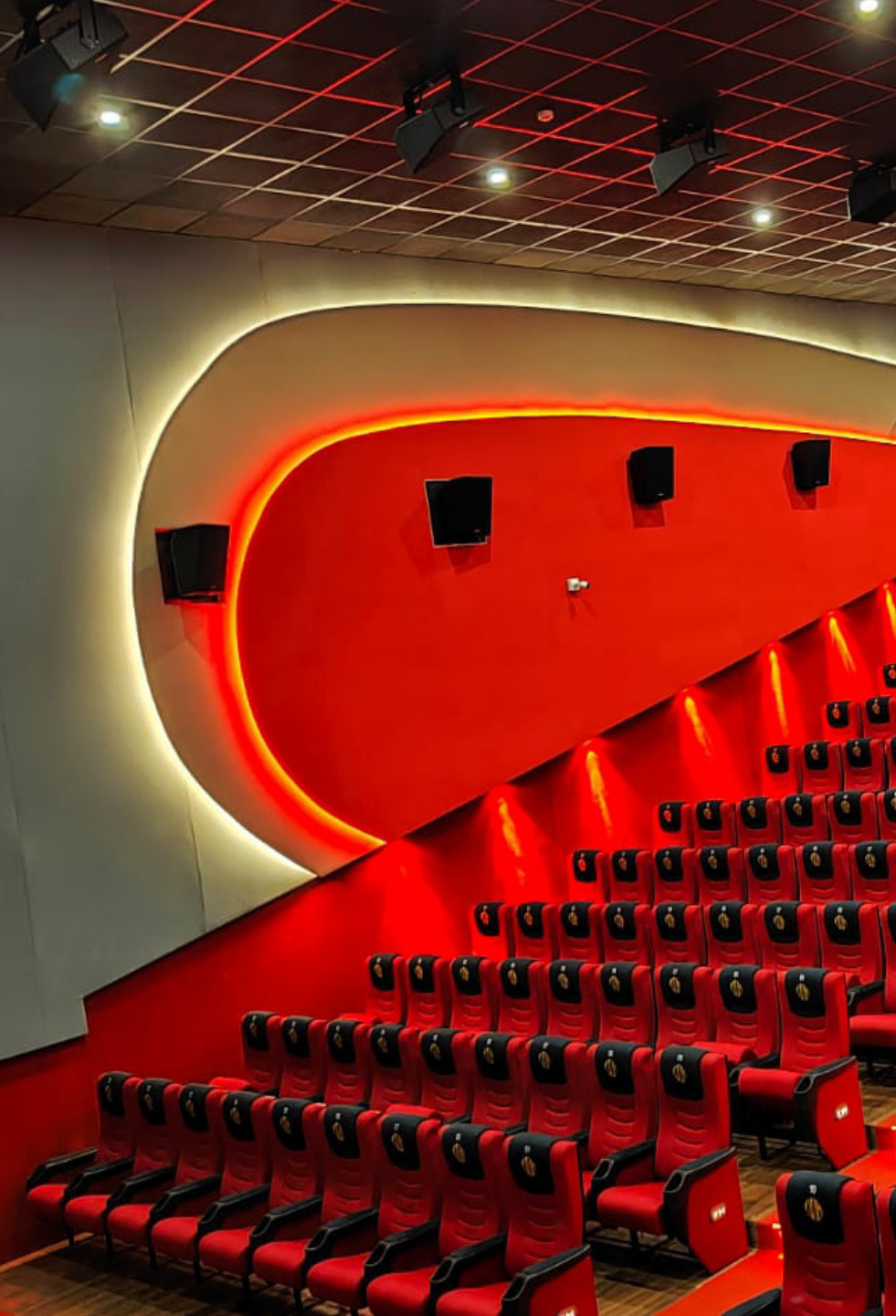
Kasauli



Karnal



Chandigarh



KEY REFERENCES : COMMERCIAL CINEMAS



Panchkula



Jaipur



Chandigarh



Bangalore



Meerut



Goa



KEY REFERENCES : ENTERTAINMENT - STUDIOS



Chennai



Mumbai



THE TIMES OF INDIA

Mumbai



Mumbai



Pune & Hydreabad



Jallandhar



Punjab



Bangalore



Noida



KEY REFERENCES : HOSPITALITY – RESTURANTS



Jaipur



Shimla



Gurugram



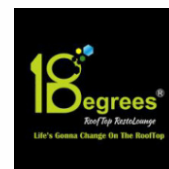
Mumbai & Hydrabad



Pune



Delhi



Pune



Delhi

ISO 9001-2015 CERTIFICATE



Registered
CCPL

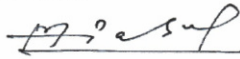
ISO 9001:2015

Registration Certificate

This is to certify that
The Quality Management Systems
of
KOOL PACK AND ALLIED INDUSTRIES
Carried out at following site:
**SUBATHU ROAD, DHARAMPUR,
DISTT. SOLAN - 173 209 (H.P.) (INDIA)**
for their
**QUALITY MANAGEMENT SYSTEM
ISO 9001:2015**
Scope of Activities covered by this Registration:
**MANUFACTURER, EXPORTER & SUPPLIER OF
ACOUSTIC TILES, WOOD WOOL TILES, FLOOR TILES,
PLY BOARD, WOOD WOOL AND BOARD ARTICLE**

CERTIFICATE NO. : IAS/QMS/B1347
ISSUED ON : 16/05/2017 1ST SURVEILLANCE DUE ON: 16/04/2018
VALIDITY DATE : 15/05/2020 2ND SURVEILLANCE DUE ON: 16/04/2019

THE VALIDITY OF CERTIFICATE IS SUBJECT TO REGULAR SURVEILLANCE AUDIT ON OR BEFORE ABOVE MENTIONED DATES AND IT'S ONLY VALID AFTER SUCCESSFUL SURVEILLANCE WITH CONTINUATION LETTER ISSUED BY CCPL.



AUTHORISED BY
CHAIRMAN / DIRECTOR




CARE CERTIFICATION PRIVATE LIMITED
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NEW DELHI - 110 065 (INDIA)
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CCPL is accredited by International Accreditation Service (IAS) United States of America

ISO 14001-2015 CERTIFICATE



Registered
CCPL

ISO 14001:2015

Registration Certificate

This is to certify that
The Management Systems of
KOOL PACK AND ALLIED INDUSTRIES
Carried out at following site:
**SUBATHU ROAD, DHARAMPUR,
DISTT. SOLAN - 173 209 (H.P.) (INDIA)**
for their
**ENVIRONMENTAL MANAGEMENT SYSTEM
ISO 14001:2015**
Scope of Activities covered by this Registration:
**MANUFACTURER, EXPORTER & SUPPLIER OF
ACOUSTIC TILES, WOOD WOOL TILES, FLOOR TILES,
PLY BOARD AND WOOD PARTICLE CEMENT BOARD**

CERTIFICATE NO. : IAS/EMS/B1005
ISSUED ON : 04/07/2017 1ST SURVEILLANCE DUE ON: 04/06/2018
VALIDITY DATE : 03/07/2020 2ND SURVEILLANCE DUE ON: 04/06/2019

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134-A, TAIMOOR NAGAR, NEW FRIENDS COLONY,
NEW DELHI - 110 065 (INDIA)
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NRC 1 CERTIFICATE



PRASAR BHARATI
(Broadcasting Corporation of India)
Research Department
All India Radio & Doordarshan
14-B I. P. Estate, Ring Road
New Delhi-110002.



महान गीतम् दत्तम्

Group **Acoustic Lab** Testing Date 25.08.2011

Test Report No.34/10-11

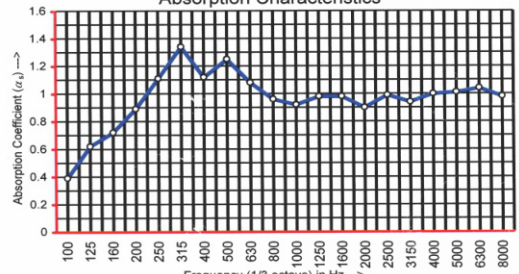
Description of Test Specimen :
Client: **M/s Kool Pack & Allied Industries, Solan, H.P.**
Sample Name: **Aphony Fibrette' Wood Fibre Cement Composite**

Test Combination: As per Profile
Surface Area of Sample: **10 Sqm**
Density: **400 Kg/M3**
Thickness: **125 mm (Profile Thickness)**

Profile:
50mm Air Gap+
50mm Glass Wool
(D:24Kg/m3) wrapped with absorbed fiber+ Aphony Fibrette Slabs (Density: 400Kg/m3, Size: 600mmx1200mm X25mm)

Description of Laboratory:
Type of Mounting: **A** Type
Volume of RT Room: **151 m3**
Temperature: **31 °C**
Humidity: **80**
Type of Noise: **Pink**
Using **NOR121**

Absorption Characteristics



MEASURED DATA:													1.045		NRC		1.00	
Fre. (Hz)	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5K			
ABS. Coeff.	0.39	0.62	0.72	0.89	1.11	1.34	1.12	1.25	1.08	0.96	0.92	0.98	0.98	0.9	0.99			
Fre. (Hz)	3.15k	4k	5k	6.3k	8k													
ABS. Coeff.	0.94	1	1.01	1.04	0.98													

Method of Measurement: **IS:8225/ ISO: 354/ASTM 423C**

Asstt. Engr

(Signature)
Asstt. Director Engg (R)/Director (R)
अनुसंधान विभाग/Research Dept
आकाशवाणी एवं दूरदर्शन
All India Radio & Doordarshan
14-B I.P. Estate, New Delhi-110002

NRC 0.90 CERTIFICATE



PRASAR BHARATI
(Broadcasting Corporation of India)
Research Department
All India Radio & Doordarshan
14-B I. P. Estate, Ring Road
New Delhi-110002.



महान गीतम् दत्तम्

Group **Acoustic Lab** Testing Date 24.03.2011

Test Report No.06/11-12

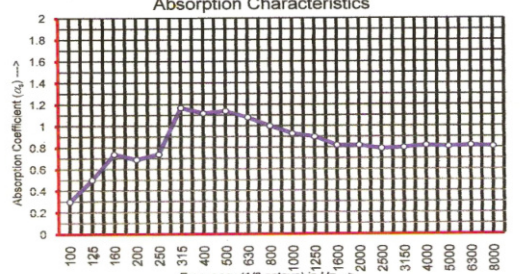
Description of Test Specimen :
Client: **M/s Kool Pack & Allied Industries**
Sample Name: **Aphony Gloss-20 mm**

Test Combination: G W*+ Aphony Gloss(20mm)
Surface Area of Sample: **10 Sqm**
Density: **400+24 Kg/M3**
Thickness: **70 mm**

* Glass Wool
Thickness 50mm
(Wrapped with Absorb Fiber)
24Kg/M3

Description of Laboratory:
Type of Mounting: **A** Type
Volume of RT Room: **151 m3**
Temperature: **25 °C**
Humidity: **50**
Type of Noise: **Pink**
Using **NOR121**

Absorption Characteristics



MEASURED DATA:													0.908		NRC		0.90	
Fre. (Hz)	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5K			
ABS. Coeff.	0.3	0.5	0.74	0.69	0.74	1.17	1.12	1.14	1.06	1	0.93	0.9	0.82	0.82	0.79			
Fre. (Hz)	3.15k	4k	5k	6.3k	8k													
ABS. Coeff.	0.8	0.82	0.81	0.82	0.81													

Method of Measurement: **IS:8225/ ISO: 354/ASTM 423C**

Asstt. Engr

(Signature)
Asstt. Director (R)/Dy. Director (R)
अनुसंधान विभाग/Research Dept
आकाशवाणी एवं दूरदर्शन
All India Radio & Doordarshan
14-B I.P. Estate, New Delhi-110002

FIRE-I CERTIFICATE

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Project No. TST - 0184

BRIEF EVALUATION REPORT

BS : 476-Part 5 : Ignitability Evaluation for Materials

Date of Evaluation : July 08, 2014

Sponsor : M/s Kool Pack & Allied Industries
Subathu Road, Dharampur – 173 209
Distt. Solan (H. P.)

Description of Product : **Wood Fiber Cement Composite Board / Wood Wool Board**
Thickness: 20 mm, Nominal Bulk Density: 400-450 kg/m³
(Product description has been prepared on the basis of the information provided by the sponsor).

Specimen dimensions : 228 mm x 228 mm x 20 mm

Results

Duration of exposure to specified flame : 10 sec.

Duration of flaming after removal of specified flame : NIL

Time for burning to reach the edge of specimen : Not applicable

Extent of burning of specimen within 20 sec. : NIL

Classification : 'P' Not Easily Ignitable

The evaluation results relate only to the behaviour of the specimens of a product under the particular condition of the evaluation, they are not intended to be the sole criterion for assessing the potential hazard of the material in use.

(RAKESH KUMAR)
CO-INVESTIGATOR

(A. A. ANSARI)
PRINCIPAL INVESTIGATOR



FIRE RESEARCH LABORATORY
CSIR - Central Building Research Institute
Roorkee - 247 667 (U.K.) INDIA



FIRE-II CERTIFICATE

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Project No. TST - 0184

BRIEF EVALUATION REPORT

BS : 476-Part 6 : Method of evaluation for Fire Propagation for Products

Date of Evaluation : June 18-20, 2014

Sponsor : M/s Kool Pack & Allied Industries
Subathu Road, Dharampur – 173 209
Distt. Solan (H. P.)

Description of Product : **Wood Fiber Cement Composite Board / Wood Wool Board**
Thickness: 20 mm, Nominal Bulk Density: 400-450 kg/m³
(Product description has been prepared on the basis of the information provided by the sponsor).

Specimen dimensions : 225 mm x 225 mm x 20 mm

Results

Number of specimens evaluated : Three

Fire Propagation Index, I : **17.22**

Sub-indices : **i₁ = 7.23, i₂ = 7.19, i₃ = 2.80**

The evaluation results relate only to the behaviour of the specimens of a product under the particular conditions of the evaluation, they are not intended to be the sole criterion for assessing the potential fire hazard of the materials in use.

(RAKESH KUMAR)
CO-INVESTIGATOR

(A. A. ANSARI)
PRINCIPAL INVESTIGATOR



FIRE RESEARCH LABORATORY
CSIR - Central Building Research Institute
Roorkee - 247 667 (U.K.) INDIA



FIRE-III CERTIFICATE

(This original only is valid. Third parties who are using copies are doing so at their own risk.)
Project No. TST - 0184

BRIEF EVALUATION REPORT

BS : 476-Part 7 : Method for Classification of the Surface Spread of Flame

Date of Evaluation : July 08, 2014

Sponsor : M/s Kool Pack & Allied Industries
Subathu Road, Dharampur - 173 209
Distt. Solan (H. P.)

Description of Product : Wood Fiber Cement Composite Board / Wood Wool Board
Thickness: 20 mm, Nominal Bulk Density: 400-450 kg/m³
(Product description has been prepared on the basis of the information provided by the sponsor).

Specimen dimensions : 900 mm x 270 mm x 20 mm

Observation : Evaluation results

Specimen	Spread of Flame at 1.5 min	Spread of Flame at Termination/10 min.
	mm	mm
01 Institute	NIL	NIL
02 Institute	NIL	NIL
03 Institute	NIL	NIL
04 Institute	NIL	NIL
05 Institute	NIL	NIL
06 Institute	NIL	NIL

Classification : CLASS - 1

The evaluation results relate only to the behaviour of the specimens of a product under the particular conditions of the evaluation, they are not intended to be the sole criterion for assessing the potential fire hazard of the materials in use.

CO-INVESTIGATOR : RAKESH KUMAR
PRINCIPAL INVESTIGATOR : (A. A. ANSARI)

FIRE RESEARCH LABORATORY
CSIR - Central Building Research Institute
Roorkee - 247 667 (U.K.) INDIA

STC 37 CERTIFICATE

सी एस आई आर - राष्ट्रीय भौतिक प्रयोगशाला
CSIR-NATIONAL PHYSICAL LABORATORY
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)
(Council of Scientific and Industrial Research)
डॉ. के. एस. कृष्णन् मार्ग, नई दिल्ली-110012, भारत
Dr. K.S. Krishnan Marg, New Delhi-110012, INDIA
दूरभाष/Phone: 91-11-4560 8441, 8589, 8610, 9447, फैक्स/Fax : 91-11-4560 8448
ई-मेल/ E-mail: cfct@nplindia.org वेबसाइट / website: www.nplindia.org

परीक्षण रिपोर्ट
TEST REPORT

Sound Transmission Loss

दिनांक/Date	परीक्षण रिपोर्ट संख्या/Test Report No.	पृष्ठ / Page	पृष्ठों की संख्या / No. of Pages
12-04-2018	18031207/D1.07/T-004	2	2

Using filtered noise in 1/3-octave band, the airborne sound insulation index was evaluated by measuring the average sound pressure levels generated in the source room and the receiver room and by measuring the equivalent absorption in the receiver room. The results are given below:

1/3-Octave Band Center Frequency (Hz)	Airborne Sound Insulation Index (dB)
100	20
125	21
160	24
200	26
250	27
315	28
400	32
500	34
630	36
800	40
1000	39
1250	42
1600	42
2000	43
2500	43
3150	40
4000	37

Using the standard reference curve, the sound transmission class (STC) was found to be 37.

The evaluated uncertainty in measurement is ± 1.0 dB which is at a coverage factor $k = 2$ and which corresponds to a coverage probability of approximately 95% for normal distribution.

9. Date of Testing : 02-04-2018

10. Remarks : Nil

परीक्षणकर्ता: Tested by: (Dr. Y. K. Yadav)
जाँचकर्ता: Checked by: (Dr. Kirti Soni)
प्रभारी वैज्ञानिक: Scientist-in-charge: (Dr. Mahavir Singh)
जारीकर्ता: Issued by: डॉ० सुशील कुमार Dr. Sushil Kumar

STC 43 CERTIFICATIONS



PRASAR BHARATI
(India's Public Service Broadcaster)
Research Department
All India Radio & Doordarshan
14-B I. P. Estate, Ring Road
New Delhi-110002.



Acoustics Lab

Group **Acoustics Lab** Testing date: 30.07.13

Test Report No 29/13-14

Description of Test Specimen :

Manufacturer/Client: M/s Kool Pack & Allied Industries

Sample Name: *Silent Board

Test Combination: **silent board +50 mm absorbwool +silent board**

Density/Weight: Kg/m3

Test Surface Area: 1.95 m² (72" x 42")

Thickness: 82 mm

Description of Laboratory :

Volume of RT Room: 151.1 m³

Volume of RX Room: 60 m³

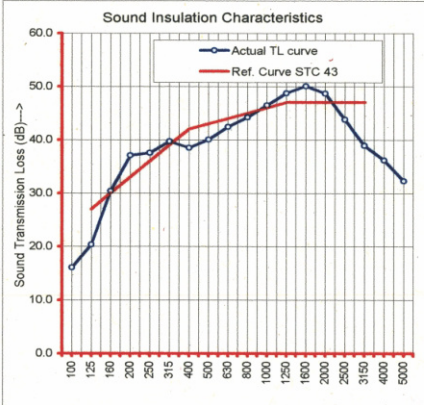
Temperature: 30 °C

Humidity: 53 %

Type of Noise: Pink

Using **NORSONIC ANALYSER**

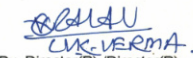
Sound Insulation Characteristics



*16mm thick/ 10mm wood particle cement board with 6mm Anti vibration pad on one side)

MEASURED DATA:															STC 43	
Freq.(Hz)	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	
TL(dB)	16.09	20.38	30.38	37.07	37.56	39.66	38.50	40.04	42.43	44.24	46.45	48.74	50.06	48.65	43.82	
Freq.(Hz)	3.15k	4k	5k													
TL(dB)	38.89	36.15	32.32													

Method of Measurement: IS:9901-III/ ISO: 140-3/ASTM 90/ 413
* Exposed to sound


Dy. Director (R)/Director (R.O.)
 प्रमुख निदेशक/Research Deptt
 आकाश वाणी व दूरदर्शन
 All India Radio & Doordarshan
 14-B I. P. Estate, New Delhi-110002

ELEGANT ANTI BACTERIA CERTIFICATE FOR HOSPITAL

TEST CERTIFICATE

NO : C1/0000264803

Issued To :
Client Code : (SOLA01K1068)
KOOOL PACK & ALLIED INDUSTRIES
SUBATHU ROAD DHARAMPUR
SOLAN
HIMACHAL PRADESH-173209

Date : 27-08-2021
Job No : 2108-1-111-1251
Booking No : RG2122-1/3362
Booking Date : 17-08-2021
Customer Ref No :
Customer Ref Dt : 07-08-2021

Sample Particulars:
One sample described as ELEGANT TILE, Sample size: 50 x 50 x 5 mm, Product Name: Elegant Tile, Sample particulars: Elegant Tile, Thickness: 5 mm was received.

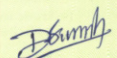
"The sampling was not carried out by Shriram Institute for Industrial Research. The sample details provided in test certificate are based on declaration by the party."

Product Details- ELEGANT TILE, Size: 50 x 50 x 5 mm
Test- Determination of Anti Bacterial Activity and Efficacy of ELEGANT TILE
Protocol- As per guidelines of JIS-Z2801-2010

Test Organisms-
a) Bacteria- *Escherichia coli* and *Staphylococcus aureus*
Sample Size 50 mm x 50 mm each piece

A) Antibacterial Activity and Efficacy against <i>Escherichia coli</i>			
S. No.	Untreated sample (Elegant Tile)	Count per piece of Untreated Tile (in cfu/piece)	Conc. of Inoculum (Average count, in cfu/piece)
1	Number of bacteria inoculated per piece at 0 hrs (U ₀)	6.4 x 10 ³ 6.5 x 10 ³ 6.6 x 10 ³ 6.1 x 10 ⁴	6.5 x 10 ³
2	Number of bacteria inoculated per piece after: 24 hrs incubation (U _t)	6.5 x 10 ⁴ 6.7 x 10 ⁴	6.4 x 10 ⁴

S. No.	Treated sample (Elegant Tile)	Count per piece of Treated Tile (in cfu/piece)	Conc. of Inoculum (Average count in cfu) (A _t)	Antibacterial Activity after 24 hrs (U _t -A _t)
3	Number of bacteria inoculated per piece at 24 hrs (A ₀)	Less than 1 Less than 1 Less than 1	Less than 1	4.81


AUTHORISED SIGNATORY
 EMPLOYEE CODE: (5119)

SC-01 (Rev.05) 1/2

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Phone : 91-11-27000100, 27667267, 27667860 Fax : 91-11-27667207
See overleaf for terms & conditions

APHONY FIBRETTE ANTI BACTERIA CERTIFICATE FOR HOSPITAL

TEST CERTIFICATE		NO : C1/0000266956																																			
Issued To : Client Code : (SOLA01K1068) KOOL PACK & ALLIED INDUSTRIES SUBATHU ROAD DHARAMPUR SOLAN HIMACHAL PRADESH-173209		Date : 21-09-2021 Job No : 2109-1-111-758 Booking No : RG2122/1/4100 Booking Date : 10-09-2021 Customer Ref No : - Customer Ref Dt : 03-09-2021																																			
Sample Particulars: One sample described as Product Name: APHONY FIBRETTE 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- APHONY FIBRETTE Test-Protocol- Determination of Anti Bacterial Activity and Efficacy of APHONY FIBRETTE As per guidelines of JIS-Z2801-2010 Test Organisms- a) Bacteria- <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> Sample Size APHONY FIBRETTE																																					
A) Antibacterial Activity and Efficacy against <i>Staphylococcus aureus</i> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Untreated sample (Aphony Fibrette)</th> <th>Count per piece of Untreated Sample (in cfu/piece)</th> <th>Conc. of Inoculum (Average count, in cfu/piece)</th> </tr> </thead> <tbody> <tr> <td rowspan="3">1</td> <td>Number of bacteria inoculated per piece at 0 hrs (U_0)</td> <td>7.7×10^3</td> <td rowspan="3">7.5×10^3</td> </tr> <tr> <td></td> <td>7.1×10^3</td> </tr> <tr> <td></td> <td>7.8×10^3</td> </tr> <tr> <td rowspan="3">2</td> <td>Number of bacteria inoculated per piece after 24 hrs incubation (U_t)</td> <td>8.3×10^4</td> <td rowspan="3">8.2×10^4</td> </tr> <tr> <td></td> <td>7.9×10^4</td> </tr> <tr> <td></td> <td>8.5×10^4</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Treated sample (Aphony Fibrette)</th> <th>Count per piece of Treated Sample (in cfu/piece)</th> <th>Conc. of Inoculum (Average count in cfu) (A_t)</th> <th>Antibacterial Activity after 24 hrs ($U-A_t$)</th> </tr> </thead> <tbody> <tr> <td rowspan="3">3</td> <td>Number of bacteria inoculated per piece at 24 hrs (A_t)</td> <td>Less than 1</td> <td rowspan="3">Less than 1</td> <td rowspan="3">4.91</td> </tr> <tr> <td></td> <td>Less than 1</td> </tr> <tr> <td></td> <td>Less than 1</td> </tr> </tbody> </table>				S. No.	Untreated sample (Aphony Fibrette)	Count per piece of Untreated Sample (in cfu/piece)	Conc. of Inoculum (Average count, in cfu/piece)	1	Number of bacteria inoculated per piece at 0 hrs (U_0)	7.7×10^3	7.5×10^3		7.1×10^3		7.8×10^3	2	Number of bacteria inoculated per piece after 24 hrs incubation (U_t)	8.3×10^4	8.2×10^4		7.9×10^4		8.5×10^4	S. No.	Treated sample (Aphony Fibrette)	Count per piece of Treated Sample (in cfu/piece)	Conc. of Inoculum (Average count in cfu) (A_t)	Antibacterial Activity after 24 hrs ($U-A_t$)	3	Number of bacteria inoculated per piece at 24 hrs (A_t)	Less than 1	Less than 1	4.91		Less than 1		Less than 1
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CC-DURS-05 Scanned by  any other copies should be authenticated by reference to the original report. 1/2 Phone : 91-11-27000100, 27667267, 27667860 Fax : 91-11-27667207 See overleaf for terms & conditions																																					

GRIHA CERTIFICATIONS

GRIHA Council	
RP24GPC00145  GRIHA Council This is to certify that the product of "Himalyan Acoustics" Aphony Fibrette (under typology: Panelling) has been included in the GRIHA Product Catalogue under the following categories: GRIHA V.2015: criterion: 21 SVAGRIHA: criterion: 12 The product can be used in GRIHA & SVAGRIHA registered projects to meet the norms, respectively. This is valid only for the product which has been mentioned above. The certificate for the above-mentioned product is valid from 05th May 2025 to 04th May 2027  Sanjay Seth Vice President & Chief Executive Officer Note: 1. Before selecting the above specified products, it is recommended to revalidate that the project is meeting the GRIHA's mandatory compliances. 2. This evaluation has been done based on the documentation – in the form of 3rd party test results and/or declarations – submitted by the manufacturer to GRIHA Council. 3. The enlisted product(s) only qualify for the criterion mentioned in the certificate. GRIHA Council is a joint initiative of Ministry of New and Renewable Energy, Government of India and The Energy and Resources Institute (TERI) to implement GRIHA (Green Rating for Integrated Habitat Assessment), India's National Rating System for Sustainable Habitats. www.grihaindia.org	

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Surat



Shimla



Delhi



Pune



Noida & Ghaziabad



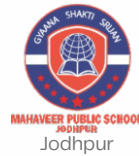
Kasauli



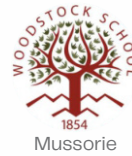
Panchkula



Patiala



Jodhpur



Mussorie



Hoshiarpur

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Pune

KEY REFERENCES : WORSHIP PLACE



Myapur / West Bengal



Jaipur



Gurgaon & Shimla



Jaipur

Project List **Private Sector**

Sr No.	Name of Project	Application	City
1	Radio Booze Broadcast Consultancy & Device Enterprises Universal Trade Tower Sec 49	Studio	Gurugram
2	Maharishi Dayanand University	Auditorium	Rohtak
3	Administrative and Business Center of Dholera Dhandhuka Road, Dholera	Conference Room	Dholera (Gujrat)
4	Hani House Jyoti Complex & ST Bus Stand Satellite Ahmedabad	Home Theater	Ahmedabad
5	IIIT Trichy - S.F. 75/1 Sethrapatti, Fatima Nagar Srirangam Taulak	Auditorium	Trichy
6	M/S Artech Sky Village CP Junction Uliyakovil Road Ashramam	Home Theater	Killam Trivandrum
7	M.S. Inder Mohini Gill Road Ludhiana Punjab	Studio	Ludhiana
8	BCM University 32 Sector Chandigarh Road Ludhiana Punjab	Class Room	Ludhiana
9	Mr. Vikas Kothari Nagpur, Maharashtra	Home Theater	Nagpur
10	Agriculture University Near Over Bridge Mandore Jodhpur Rajasthan	Auditorium	Jodhpur
11	Investigation Building At Cia Chowki Sector 17 Gurgaon Haryana	Investigation Rooms	Gurgaon
12	165 Janpat Estates Villages Jhamat Southcity Ludhiana	Bedroom	Ludhiana
13	The British Co=Ed School	School	Patiala
14	Palayamkottai Road Near VOC College Toothukudi	Home Theater	Tamilnadu
15	Assahi India Glass Ltd	Sand Blasting Machine	Roorkee
16	Iskon TOVP Seva Office Sri Mayapur, Distt. Nadia West Bengal	Temple	Kolkata
17	MR. Akhilesh Gandewar Alidabad	Home Theater	Nagpur
18	Chandigarh Educational Society	Class Room	Chandigarh
19	Community Center IFFCO Paradeep Hall	IFFCO Hall	Odisha
20	Mr. Dinesh Rathi	Home Theater	Nagpur

Project List **Private Sector**

Sr No.	Name of Project	Application	City
21	Army Language Lab	Mandrain Lab & Class Rooms	Dehradun
22	Prerna Old Age Home	Auditorium	Kurukshetra
23	Syndicate Mall Nearest Station Pattambi Shornur Jn Kerala	Multiplex & Cinema Hall	Kerala
24	Indian Institute of Technology Tirupati At Merlapaka Yerpedu Mandal Chittor Distt. Ap . Phase	Mockup	Tirupati
25	Morni Food LLP Pilibhit Bypass Road	Smoque Pub	Bareilly
26	Indian Institute of Management IIM Campus Vastrapur Campus Ahemdabad	Auditorium	Ahmedabad
27	Sleepy Edusolutions Pvt Ltd	Studio	Mohali
28	Mr. George	Home Theater	Nagpur (Chanderpur)
29	Indian Institute of Management IIM Campus Vastrapur Campus Ahemdabad	Recording Studion	Ahmedabad
30	Sterlite Technonogies Ltd. Equinox Business Park Kurla West Mumbai	Bedroom	Mumbai
31	Amber Enterprises Selaqui	Conference Hall	Dehradun
32	HPPWD HP Office Building At. Majitha House Chotta Shimla	Court Room	Shimla
33	Longowal Project, Packowal Road Ludhiana	Class Rooms	Ludhiana
34	DCRUST University	Class Rooms	Sonipat
35	Mrs. Sumita Shrivastava	Home Theater	Nagpur
36	Antalya By Divine Ganga Cottage	Banquet Hall	Rishikesh
37	Garrison Engineer Air Force Station	ATC Tower	Chennai
38	VPO Thunag Mandi -175048 CM House Mandi	Conference Hall	Mandi
39	JLPL Industrial Ara Mohali Plot No.-1253 Sector 82	Office Space	Mohali
40	HP Secretariat	Conference Hall	Shimla

Project List **Private Sector**

Sr No.	Name of Project	Application	City
41	Woodstock School	School	Mussoorie
42	The British Co-Ed School	Auditorium	Patiala
43	ESIC Hospital Bharat Nagar Chowk Ludhiana Punjab	Hospital Speciality	Ludhiana
44	HPPWD Village-Panjethi, Talyhar Mandi	Office & Conference Rooms	Mandi
45	SDVM School	School Auditorium	Panipat
46	SD Biosensor Thcare PVT LTD	Conference Hall	Gurgaon
47	Guru Nanak Indoor Stadium	Tennis Court & Badminton Court	Ludhiana
48	DCRUST University	Class Rooms	Sonipat
49	Sterlite Technologies LTD	Conference Hall	New Delhi
50	KLV CVOlonisers Pvt LTD	Office Room	Mohali
51	Pine Grove School	Swimming Pool	Dharampur
52	IIIT Nuzvid	Auditorium	Nuzvid (Vijaywada)
53	Woodstock School	Recording Studio	Mussoorie
54	Pine Grove School	Music Room	Dharampur
55	DCRUST University	Seminar Hall	Sonipat
56	Deolali Camp	Shayadari Auditorium	Nashik
57	Alipore Command Hospital	Audit Meeting Room	West Bengal
58	OP Jindal University (Taj Hotel)	Conference Hall	Delhi
59	CRC Noida Sector - 90	Home Theater	Noida
60	Pramila Hospital & IVF Center	Residential	Indore

Project List **Government Sector**

Sr No.	Name of Project	Application	City
1	Kishan Bhawan	Auditorium	Panchkula
2	PGIMS	Auditorium	Rohtak
3	NTTR (National Technical Training & Research)	Auditorium	Chandigarh
4	IETE (Institution of Electronics and Telecommunication Engineers)	Auditorium	Chandigarh
5	IIIT Trichy	Auditorium	Trichy
6	National Atomospheric Research	Auditorium	Tirupati
7	Govt. College of Women	Auditorium	Panipat
8	Agriculture University	Auditorium	Jodhpur
9	Air Force Golden Jubilee Institute Subroto Park	Auditorium	Delhi
10	HP Secretariat	Conference Room	Shimla
11	CM House	Conference Room	Mandi
12	Army Language Lab	Conference Room	Dehradun
13	IIT (Indian Institute of Technology)	Class Room	Ropar
14	Alipore Command Hospital	Class Room	West Bengal
15	ESIC Hospital	Audit Meeting Room	Ludhiana
16	MES Project (D.R.D.O) Defense Research Development	Hospital Speciality	Delhi
17	HPPWD HP	Training Room	Shimla
18	IIM Campus	Auditorium	Ahemdabad
19	HPPWD	Office & Conference Rooms	Mandi
20	Deolali Camp	Office & Conference Rooms	Nashik
21	Dr.Bhim Rao Ambedkar University	Auditorium	Agra
22	Garrison Engineer Air Force, MES, IAF HQ Training Command	Auditorium	Bangalore
23	State Council of Educational Research & Training	Auditorium	Dehradun
24	AIMS Medical College	Lecture Hall	Bhopal
25	Haryana State Pollution Control Board	Conference Room	Panchkula



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