



MANSAROVAR
GRG CEILING TILES

A PRODUCT OF MANSROVAR TEXTILES LLP



GRG CEILING TILES

The GRG range of ceiling tiles are manufactured from glass reinforced gypsum and comprise of non-combustible gypsum casting plaster, reinforced with a glass fiber membrane. This composition results in a light weight, strong and pre-stressed panel.

GRG Ceiling tiles enhance the looks of the interiors along with providing durability and a quick installation process.

MANSAROVAR GRG CEILING TILES

Mansarovar GRG Ceiling Tiles is a premium company dealing in top-notch GRG ceiling tiles and related products. Established in the year 2016, Mansarovar GRG Ceiling Tiles is a product of Mansarovar Textiles L.L.P.

Mansarovar Textiles was established in the year 1975 by Mr. Jaipal Singh, who with his able guidance took the company to astounding heights in a short period of time. It is now being managed under the leadership of Mr. Kuldeep Singh.

Mansarovar GRG Ceiling Tiles has been successful in establishing a trust among its clients, from diverse fields. Our notable clients include Punjab University, Kurukshetra University, St. Mary's Convent Sr. Sec. School Panipat, Akaash Vani and Doordarshan, among others.

The team of Mansarovar GRG Ceiling tiles is also efficient in providing end to end fitting services to its clients.



CPWD DELHI LIST 2016 : VOLUME 2

CODE NO.	DESCRIPTION
26.26	Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 99%, NRC 0.50 to 0.75 as per IS 8225:1987, Non combustibile as per BS 476 (part-4)-1970 and light reflectance of 85% (minimum) to be laid in true horizontal level suspended on inter-locking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 15x32 mm of length 3000 mm, cross - T of size 15x32 mm of length 1200 mm and secondary intermediate cross-T of size 15x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall SS screws. The work shall be carried out as per specifications, drawing and as per directions of Engineer-in-Charge.
26.26.1	With semi perforated 12 mm thick micro tegular edged GRG false ceiling tiles.
26.26.2	With fully perforated 12 mm thick micro tegular edged or 10 mm thick square edged GRG false ceiling tiles.



MANSAROVAR

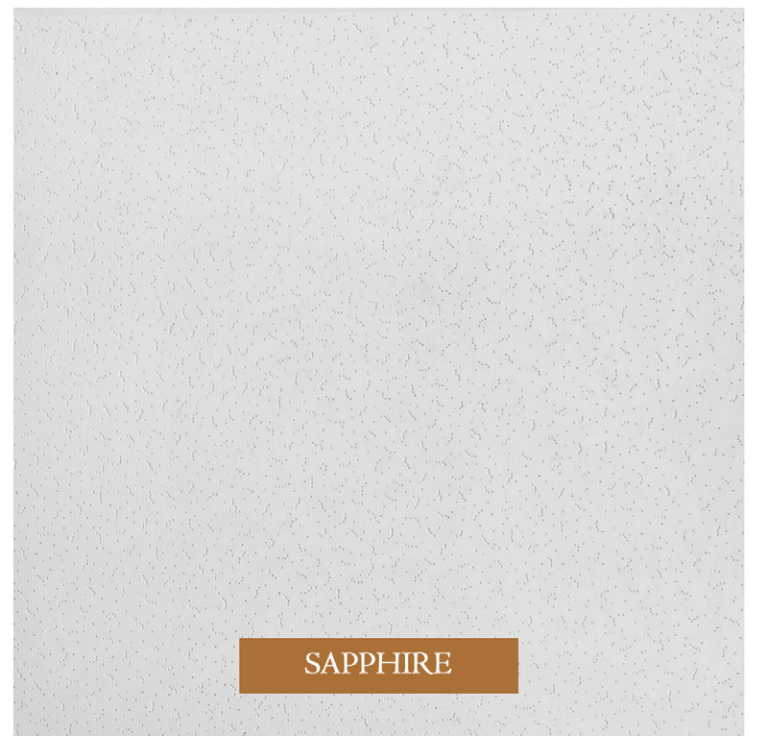
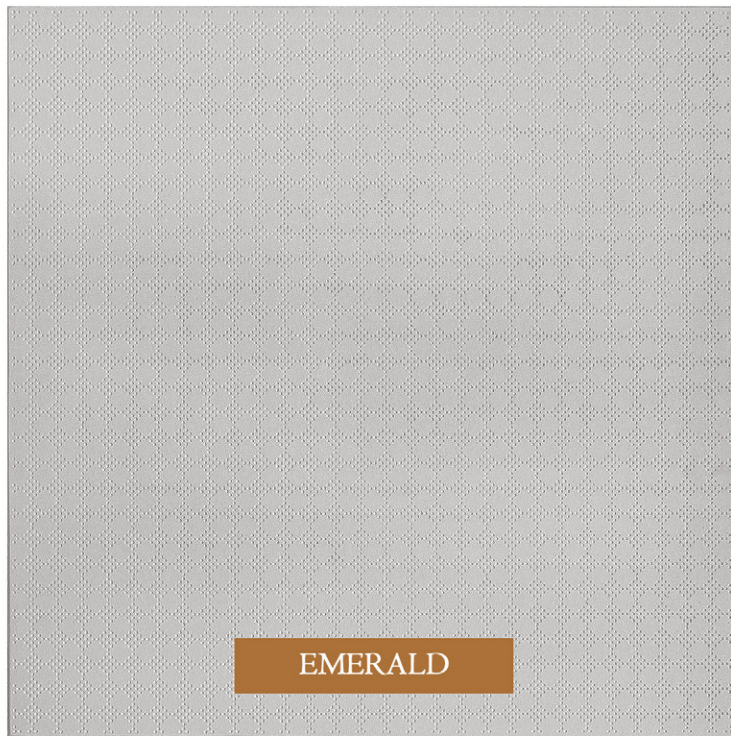
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TECHNICAL SPECIFICATIONS

GRG SEMI PERFORATED CEILING TILES

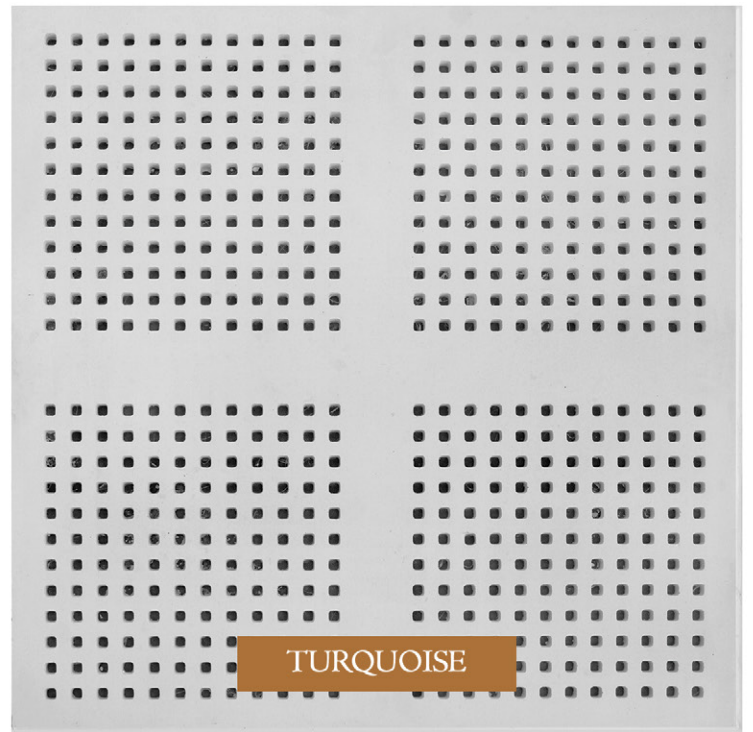
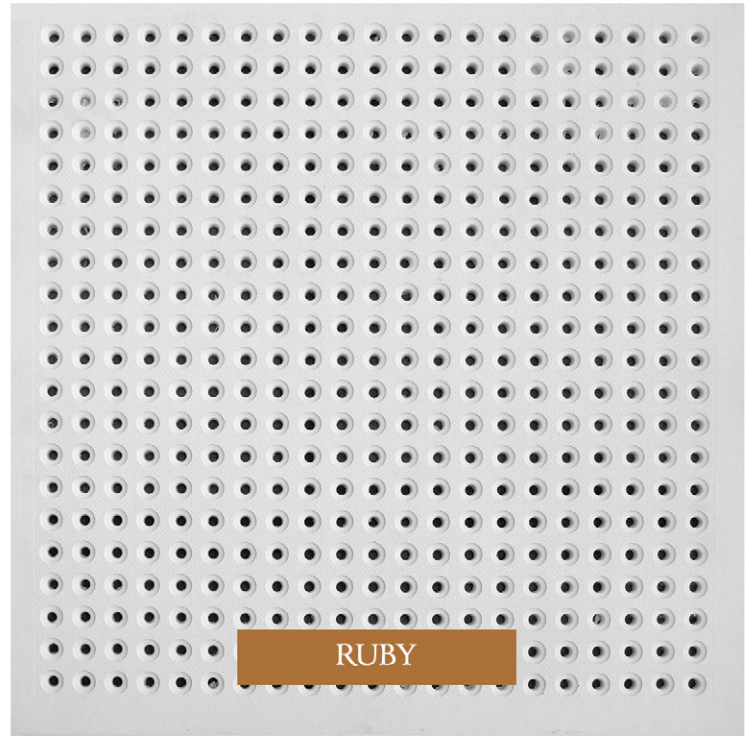
TEST METHOD	ASTM E 1477
MATERIAL	Glass Reinforced Gypsum
SURFACE	Moisture Resistant Paint
COLOR	White
SIZE	595mm * 595mm
THICKNESS	12mm
EDGE CONSTRUCTION	Micro Tegular
LIGHT REFLECTANCE	0.85 – 0.90 (Certified)
MOISTURE CONTENT	<2.0%
FIRE RESISTANCE	Non – Combustible
HUMIDITY RESISTANCE (RH)	99% (Certified)
NRC	z0.60 (Certified)



TECHNICAL SPECIFICATIONS

GRG FULLY PERFORATED CEILING TILES

TEST METHOD	ASTM E 1477
MATERIAL	Glass Reinforced Gypsum
SURFACE	Moisture Resistant Paint
COLOR	White
SIZE	595mm * 595mm
THICKNESS	10mm
EDGE CONSTRUCTION	Micro Tegular
LIGHT REFLECTANCE	0.85 – 0.90 (Certified)
MOISTURE CONTENT	<2.0%
FIRE RESISTANCE	Non – Combustible
HUMIDITY RESISTANCE (RH)	99% (Certified)
NRC	z0.75 (Certified)



CERTIFIED BY
SPECTRO ANALYTICAL LABS LTD.

TEST REPORT

Test Report Issued To:

MANSAROVAR TEXTILES LLP

PLOT NO - 54, SECTOR - 29, PART - 1, PANPAT,
HARYANA, INDIA.

Test Report No: N180905014/N180905014-1

Date of Issue: 20-Sep-2018



Sample Booking/Receipt Date: 05-Sep-2018

Date of Start of Testing: 05-Sep-2018

Date of Completion of Test: 20-Sep-2018

Customer Relationship Number: 52230

Sample Description:
GRG CEILING TILES



Customer Reference No:

Kind Attention: MR. KULDEEP

E-Mail: mansarovartiles@gmail.com

Contact No: NA

Sample Condition:

Sample Quantity (Approx):

Sample Size (Approx):

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED

Report Issued by

Authenticity of report can be verified by mail at verification@spectrolabs.in

This is a Digitally Signed Report and hence doesn't require Physical Signature.

Spectro Analytical Labs Limited S-1, GNEPIP, Surapur Industrial Area,Phase-V, Karnau, Greater Noida-201308 (India)

Phone: +91-120-2341250,2341251 || URL: www.spectro.in || Email: care@spectro.in

BIS & DDA Approved, ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Laboratory

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TEST REPORT

ID- N180905014-1

S.No.	Test Parameter	Observed Result
1.	Light reflectance	0.95

Test Method – Guidelines of ASTM E 1477.

Greeti
Analyst Signature



Authorised Signatory

TEST REPORT

Date of Start of test: 06/09/2018

Date of Completion of test: 20/09/2018

ID-N180905014-1

S. No.	Name of Test	Result	Test Method
1.	Density, kg/m ³	725	Guideline of customer specification and ASTM C473-2017
2.	Moisture content,% (At 100°C for 24 hours)	1.8	Guideline of customer specification and ASTM C473-2017
3.	Thermal Conductivity, W/mk (At 23°C Mean Temperature)	0.078	ASTM C518-2017
4.	Humidity Resistance Test Test Condition: (a) Temperature: 27°C (b) Relative Humidity: 99% (c) Test duration: 336 hrs		ASTM C473-2017
	Observation: Humidified Deflection, mm	6.1	
5.	Dimension,mm (Average) (a) Length,mm (b) Width,mm (c) Thickness,mm	595 595 12.5	ASTM C473-2017

Ranjit Verma



Spectro Analytical Labs Limited S-1, GNEPIP, Surapur Industrial Area,Phase-V, Karnau, Greater Noida 201308 (India)

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TEST REPORT FOR NON-COMBUSTIBILITY TEST OF BUILDING MATERIAL

1. Test Requested

To determine the performance of GRG CEILING TILES when it is subjected to the conditions of the test specified in scope of test.

2. Scope of Test

Performing Non-Combustibility test on GRG CEILING TILES as per BS 476 Part 4:1970 Non - Combustibility

3. Product Name

GRG CEILING TILES

4. Test Sponsor:

Mansarovar Textiles LLP
Plot No.-54, Sector-29, Part-1,
Panipat (Haryana)

5. Details of Specimen Received

Length	: 595 mm
Breadth	: 595 mm

6. Ambient Temperature

At the time of Commencement of test, the Average Ambient Temperature was 33.8°C.



Analyst Signature

Authorised Signatory

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7. Sample Preparation

The sample was 40 mm in width by 40 mm in length. No of specimens of size 40 x40 mm prepared from received sample and then layered over one another to complete 5 specimens of thickness 50 mm. Afterwards, samples were conditioned at 60±5 °C for 24 hrs and then cooled to ambient temperature in desiccator.

8. Monitoring Criteria

- Causes the temperature reading from either of the two thermocouples to rise by 50°C or more above the initial furnace temperature.
- Observed to flame continuously for 10 seconds or more inside the furnace.

9. Observations

Specimen	Parameters	Observation
Specimen A	a. Causes the temperature reading from either of the two thermocouples to rise by 50°C or more above the initial furnace temperature.	No
	b. Observed to flame continuously for 10 seconds or more inside the furnace.	No
Specimen B	c. Causes the temperature reading from either of the two thermocouples to rise by 50°C or more above the initial furnace temperature.	No
	d. Observed to flame continuously for 10 seconds or more inside the furnace.	No
Specimen C	e. Causes the temperature reading from either of the two thermocouples to rise by 50°C or more above the initial furnace temperature.	No
	f. Observed to flame continuously for 10 seconds or more inside the furnace.	No

10. Result: Non – Combustible

Note: Result only relates to the behaviour of specimen tested.

Analyst Signature



Authorised Signatory

FIRE TEST REPORT | Spectro Analytical Labs Ltd.

TEST REPORT FOR SOUND REDUCTION PERCENTAGE OF BUILDING MATERIAL AND CONSTRUCTION PRODUCT

TEST METHOD

Lab Sop SALL/F/21BA: Sound Reduction Percentage of Building Material and Construction.

In this test method the specimens have been installed in the center of a soundproof room

There are two rooms which are separated by a wall made of specimen. Sounds of different frequencies have been generated in the source room and level of sound has been detected in the receiver room. Initially record of sound levels at different frequencies have been taken without any wall in between the source and receiver room. After fixing the wall same set of frequencies have been repeated in the source room and level of sound is being recorded.

SPECIMEN RECEIVED

A wall of size 1000 mm X 1000 mm was made using the specimen received.

Analyst Signature

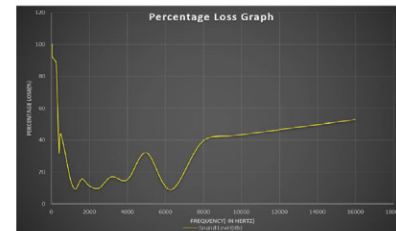


Authorised Signatory

FIRE TEST REPORT | Spectro Analytical Labs Ltd.

Results

Frequency(Hz)	Sound Level(dB)		Percentage loss (%)
	With sample	Without sample	
31.5	0	7.9	100
50	0	6.3	100
63	4.1	50.3	91.6
250	7.1	59.5	87.9
400	42	67.6	37.6
500	36	64.8	43.8
1000	70.2	83.9	15.3
1250	80.3	89.7	9.1
1600	76.1	90.2	15.6
2000	75.2	84.3	11.3
2500	82.3	91.2	10.0
3150	75.9	91.3	17.0
4000	77.1	91.3	15.3
5000	51.5	75.5	32.1
6300	54.3	60	9.0
8000	39.1	65.3	39.7
10000	33.2	58.6	43.3
16000	22.2	46.9	52.9



-- End of Test Report --

Analyst Signature



Authorised Signatory

FIRE TEST REPORT | Spectro Analytical Labs Ltd.



MANSAROVAR GRG CEILING TILES

MANSROVAR TEXTILES LLP
PLOT NO. 54, SECTOR 29 PART I,
PANIPAT (HARYANA)

BRANCH OFFICE
329 CENTRUM PLAZA, GOLF COURSE ROAD,
GURUGRAM- 122003

mansarovartiles@gmail.com
+91-6350081710
www.mansarovartiles.com

OUR CLIENTS

