



Complete Analytical Solution
ISO 14001 : 2015 & ISO 9001 : 2015 Certified

SHREE RAM TESTING LABORATORIES

ISO 14001 : 2015 & ISO 9001 : 2015 Approved Laboratory

Lab: A-2/103, Site-V, UPSIDC Industrial Area, Kasna, Greater Noida-201306

H.O. 223, 2nd Floor, Living Style Mall, Jasola, New Delhi-110025

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TEST REPORT

Issued to :	Report No.
M/S ALUTIX INSULATIONS	MS-051020-08
NO- 2, SECOND FLOOR, SHAHZADA BAGH,	Report Date
OPPOSITE METRO PILLER NO. 187-188,	Sample Received
NEW DELHI - 110035	Analysis Date
Kind Attn: MR. ANKUR GOYAL	Sampled By
	Customer

Product Name: ALUTIX STAR 8MM

Sample Description: ALUMINIUM FR AIR BUBBLE INSULATION SHEET 8MM – PURE ALUMINIUM FOIL + FR BUBBLE FILM + PE FILM + FR BUBBLE FILM + PURE ALUMINIUM FOIL, WAS RECEIVED.

The sampling was not carried by the Representative of Shree Ram Testing Laboratories. Samples particulars mentioned are based on the samples provided by the party.

S.NO.	TEST	PROTOCOL/TECHNIQUE ADOPTED	RESULT
1.	R- Value	Heat Flow, 45° Down	3.21m ² °C/W
2.	Reflectivity	ASTM 408	0.97
3.	Emissivity	ASTM C1371	0.03
4.	Fungus Resistance	ASTM C1338-14	Pass (No Fungal Growth Observed)
5.	Water Vapor Transmission Rate (a) Water Vapor Transmission Rate (ng/hr.m ²) (b) Water Vapor Permeance(Perm) (c) Water Vapor Permeability (ng/pa.m.S)	ASTM E96-15	(0.016) Method A 5.0 X 10 ⁻⁶ 0.1721 0.1208
6.	Tensile Strength(MPa) Elongation at Break (%)	ASTM D 3575-14	0.33 159

AUTHORIZED SIGNATORY

Note:- (1) The above results are related only to the test performed on the sample, Endorsement to product is neither inferred. (2) This report is not to be reproduced wholly or in part & can not be used as an evidence in the court of law & should not be used in a any advertising media without special permission in writing (3) Sample will be destroyed after 30 days from the date of reporting unless otherwise specified.

(4) Total liability of our lab is limited to the invoice amount (5) report refers to the sample drawn by shree ram testing Laboratories unless mentioned otherwise



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TEST REPORT

Issued to :	Report No.	MS-051020-08
M/S ALUTIX INSULATIONS	Report Date	05/10/2020
NO- 2, SECOND FLOOR, SHAHZADA BAGH,	Sample Received	02/09/2020
OPPOSITE METRO PILLER NO. 187-188,	Analysis Date	02/09/2020 to 04/10/2020
NEW DELHI - 110035	Sampled By	Customer
Kind Attn: MR. ANKUR GOYAL		

S.NO.	TEST	PROTOCOL/TECHNIQUE ADOPTED	RESULT
7.	Corrosion Resistance, Scale Rating	ASTM D-3310-00(2014)	2 Scale Rating (Exposed sample same as control i.e. No Corrosion Observed)
8.	Bleeding and Delamination	ASTM C1224-15	Pass (No Adhesive blend or Extruded through the surface, or Separation of foil from Substrate (Delamination)
9.	Pliability	ASTM C1224-15	Pass (No Cracks & Delamination Observed When Folded to 180° Bend)
10.	Bursting Strength, kg/cm ² Side 1 Side 2	ASTM D 774-97 (2007)	More than 4.1 More than 4.3
11.	Thermal Integrity (At-24° To 75°)	ASTM C 1263-95 (2015)	Pass (No Cracks & Delamination Observed)
12.	Effective dBA reduction (Noise Reflection)	dBA	5Dba
13.	Fire Retardant	BS 476 Part 7	Class 1
14.	Surface Burning Characteristics (Flame Spread Classification & Smoke)	ASTM E84-12 (UL 723, UBC 8-1, NFPA 255)	Class A

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