THINK | CLADDING | THINK

ALSTONE®

www.alstoneindia.com

A2 NON-COMBUSTIBLE

FR FIRE RETARDANT

ALSTONE® CLASSIC

METAL COMPOSITE PANEL

THE LEGACY OF
TWO DECADES OF
DELIVERING OVER 600+
MILLION SQ FT OF MCPs,

NOW DELIVERS EVEN MORE.

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ALSTONE®

20 YEARS MOST TRUSTED BRAND

About **Alstone**

Alstone is a market leader of Metal Composite Panels (MCP) in India, constantly on the outlook for industry innovation and challenges. Alstone, a two decades old brand is trusted by architects, builders, façade consultants and fabricators. Alstone has the widest range of products in industry to meet unique needs of the market.

Alstone pioneered metal- based HPL, A2 Grade Non-Combustible Panels and metal-based Louvers in India. We have our state-of-the-art production facilities in Dehradun (India) and Dubai (UAE) to cater to Indian and international markets.

We have our in house high tech modern coating line to help us to deliver precise, customized products along with timely delivery under expert supervision.

Alstone has launched Zinc Composite Panels in the Indian market in collaboration with VMZINC France. Along with this, Alstone has recently introduced Alstone Alcomb Panels. Alcomb Panels are made of aluminium honeycomb structure therefore very light in weight and non-combustible (A2 grade) panels. Alstone products are certified and tested by international test lab "Thomas Bell Wright".

Alstone group has diversified into Glass industry as well as in the name of Emerge Glass and Emerge Renewables. Emerge Glass is the industry giant in the manufacturing of Ultra-thin flat glass category and container glass. Emerge Renewables is setting up a specialised solar glass plant in the state of Rajasthan.

20+	600+	500+	16	10+
YEARS OF TRUST	MILLION SQ FT OF MCP DELIVERED	CHANNEL PARTNERS	OFFICES PAN INDIA	COUNTRIES OF EXPORT

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ALSTONE®

COMPANY TO INTRODUCE FIRST METAL BASED HPL IN INDIA

COMPANY TO INTRODUCE FIRST METAL COMPOSITE LOUVERS IN INDIA

COMPANY TO INTRODUCE FIRST A2 GRADE COMPOSITE PANEL

Winwall
SAFE FACADE. SAFER WORLD.
NFPA 285

THOMAS BELL-WRIGHT
INTERNATIONAL CONSULTANTS
BS EN 13501

We are Committed to safe buildings.

A2	**NON COMBUSTIBLE** Alstone A2 is a superior, fire-safe metal composite panel, rated at the fire safety grade of A2. The environment -friendly panel comprises of a non-combustible core (with 90%+ minerals) for the safety of your buildings.	FR	**FIRE RETARDANT** Alstone FR is composed of a fire-retardant core sandwiched between two skins of aluminium. The core consists of minimum 70% of non-combustible materials.

IMAGINE
ANY COLOUR,

AND WE'LL PRODUCE IT.

State of the art
COIL COATING LINE

- ADVANCE TECHNOLOGY
- ANY SHADE ON DEMAND
- CAN COAT UP TO 0.7 MM THICKNESS
- CAN COAT UP TO 1550 MM WIDTH
- PROMPT DELIVERY FOR PROJECTS

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CORPORATE **ETHOS**

VISION

ALSTONE aims to be the market leader in cladding industry in India by delivering high quality and innovative products to it 's customers.

MISSION

We intend to have a superior understanding of customers' needs and delight them through product innovations along with integrity and honesty towards our business associates.

THE **QUALITY APPROACH**

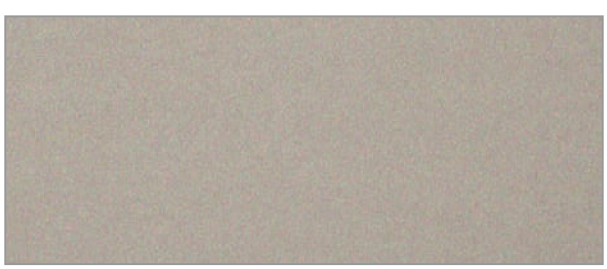
At ALSTONE, we have implemented a strong management culture at every step. Right from procurement of raw materials to the manufacturing process, to meeting the stringent customer requirements and timely dispatch, there are multiple quality check points and supervision. ALSTONE's process oriented approach ensures adherence and consistency in our performance.

ALSTONE® CLASSIC
METAL COMPOSITE PANEL

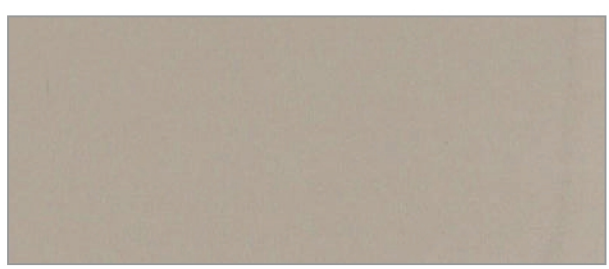
METALLIC & SOLID SERIES

VL-04 Bright Silver

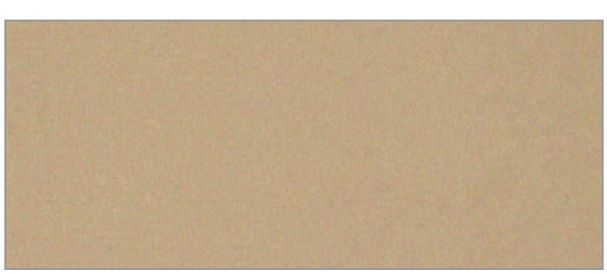
VL-07 Metallic Silver



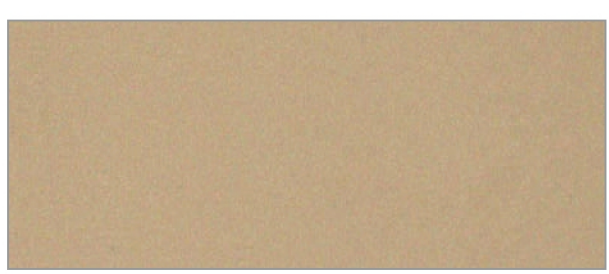
VL-06 Champagne Gold



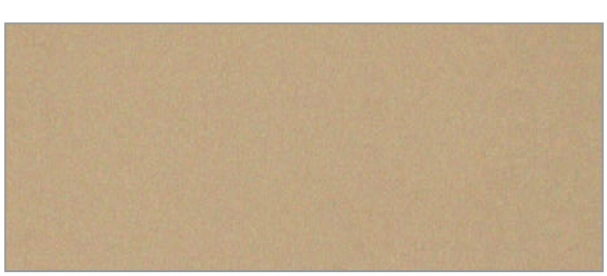
VL-20 Metallic Bronze



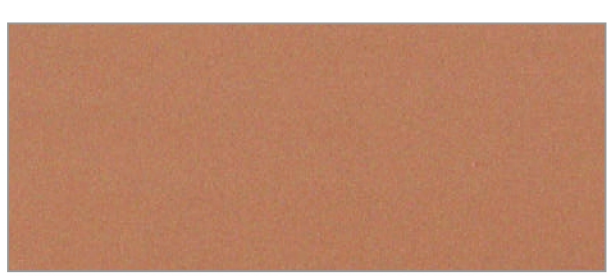
VL-22 Super Gold



VL-46 Real Gold



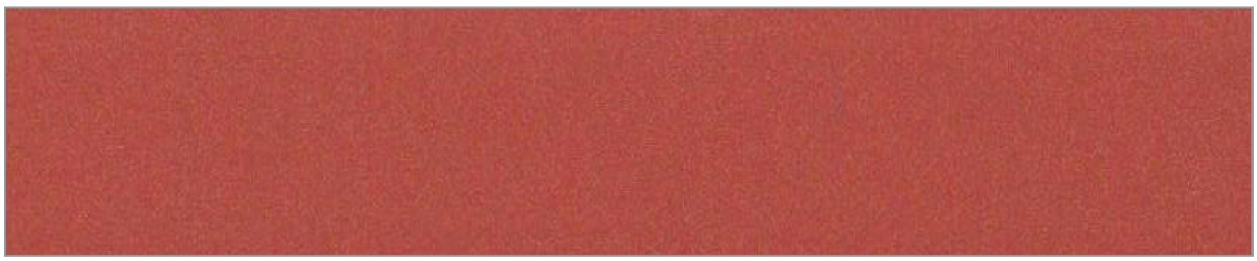
VL-24 Magic Gold



VL-15 Copper Metallic

ALSTONE® CLASSIC
METAL COMPOSITE PANEL

METALLIC & SOLID SERIES



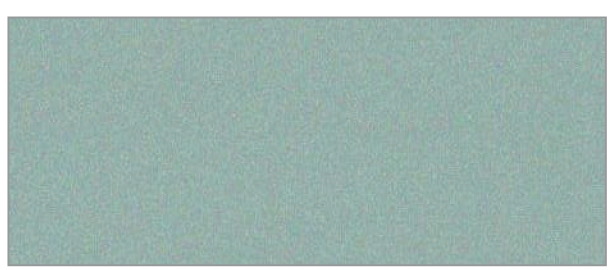
VL-14 Black Silver

VL-77 Gun Metallic

VL-31 Coffee Silver

VL-44 Dark Grey

VL-13 Blue Silver



VL-21 Jade Metallic

VL-29 Rose Metallic

VL-27 Wine Metallic

ALSTONE® CLASSIC
METAL COMPOSITE PANEL

METALLIC & SOLID SERIES

VL-25 Traffic Yellow

VL-02 Yellow

VL-03 Orange

VL-11 Dark Blue

VL-12 Light Blue

VL-45 Sky Blue

VL-23 Ocean Green

VL-28 Dabur Green

ALSTONE® CLASSIC
METAL COMPOSITE PANEL

METALLIC & SOLID SERIES

VL-47 Pure White

VL-08 Bright White

VL-33 Glossy White

VL-10 Ivory White

VL-60 Dholpur Beige

VL-59 Dholpur Red

VL-62 Glossy Black

VL-19 Coal Black

ALSTONE® CLASSIC
METAL COMPOSITE PANEL

METALLIC & SOLID SERIES

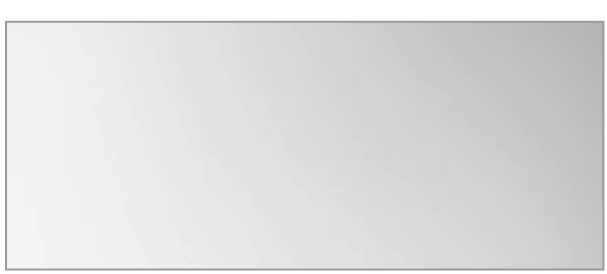
VL-48 Glossy Red

VL-01 Signal Red

VL-63 Glossy Burgandy

VL-26 Brick Red

VL-30 Choco Brown



VL-09 Silver Mirror

VL-34 Golden Mirror

VL-17 Brush Silver

VL-32 S.S. Finish

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A2 NON COMBUSTIBLE

OUR CERTIFICATIONS

SAFE FACADE. SAFER WORLD.

NFPA 285

TEST REPORT

SAFE FACADE. SAFER WORLD.

Report number:	WTIPL-2023-058	Date of test:	20th May 2023
Sample Id:	WWT/FE/SID/2023/IP01	Report issued on:	27th May 2023
ULR No:	TC768723000000058F	Group:	Building Materials
Discipline:	Mechanical Testing	Sub-Group:	Wall, floor, ceiling & cladding panels & shapes.
Ref	WWT/FE/2023/IP01	Total Pages	66

Standard Fire Test as per NFPA 285

For the Project of

System Development-

Alstone FR-A2 Wall Assembly

Tested For:

Alstone Manufacturing Private Limited,
Khasra No.1393 Village Chharba,
Langha Road Industrial Area, Sahaspur,
Dehradun (UK)248197.

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Email: jothi.r@winwallindia.com, winwall.ho@winwallindia.com
Website: www.winwallinternational.com

ilac-MRA

TC-7687

THOMAS BELL-WRIGHT INTERNATIONAL CONSULTANTS

BS EN 13501

7. CLASSIFICATION & FIELD OF APPLICATION

7.1. Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1:2018.

7.2. Classification

The product, 4mm thick Alstone FR A2 Aluminium Composite Panel with Mineral filled Core, in relation to its reaction to fire behavior are classified;

Fire behavior		Smoke Production			Flaming droplets	
A2	-	s	1	,	d	0

Reaction to fire classification: A2 – s1, d0

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FR FIRE RETARDANT

OUR CERTIFICATIONS

Winwall™ SAFE FACADE. SAFER WORLD.

NFPA 285

TEST REPORT

Report number:	WTIPL-2023-054	Date of test:	29th April 2023
Sample Id:	WWT/FE/SID/IP02/2023	Report issued on:	18th May 2023
ULR No:	TC768723000000054F	Group:	Building Materials
Discipline:	Mechanical Testing	Sub-Group:	Wall, floor, ceiling & cladding panels & shapes.
Ref	WWT/FE/2023/IP02	Total Pages	66

Standard Fire Test as per NFPA 285

For the Project of

System Development-

Alstone FR-B Wall Assembly

WINWALL TECHNOLOGY INDIA PVT. LTD. GUMMIDIPOONDI

Tested For:

Alstone Manufacturing Private Limited,
Khasra No.1393 Village Chharba,
Langha Road Industrial Area, Sahaspur,
Dehradun (UK)248197.

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Website: www.winwallinternational.com

ilac-MRA

TC-7687

THOMAS BELL-WRIGHT INTERNATIONAL CONSULTANTS

BS EN 13501

8. CLASSIFICATION & FIELD OF APPLICATION

8.1. Reference of classification

This classification has been carried out in accordance with Clause 8 of EN 13501-1:2018.

8.2. Classification

The product, 4mm Thick 'Aluminium Composite Panel' in relation to its reaction to fire behavior are classified;

Fire behavior		Smoke production			Flaming droplets	
B	-	s	1	,	d	0

Reaction to fire classification: B – s1, d0

STATE-OF-THE-ART

COIL COATING LINE.

- CAN COAT UP TO 0.7MM THICKNESS
- MOST ADVANCED COIL COATING LINE
- COIL FROM HINDALCO, INDIA
- LUMIFLON FEVE/ KYNAR PVDF
- TOTALLY CUSTOMISED SHADES
- QUALITY & QUANTITY, FAST DELIVERY

Coil Coating Line & how it gives us an edge.

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ALSTONE®

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OUR **ESTEEMED CLIENTS**

Indian Railways	CPWD	Airports Authority of India	Delhi Metro Rail Corporation Limited
NBCC – A Navratna CPSE	NTPC	PWD Govt of Delhi	LIC – Life Insurance Corporation of India
IndianOil	Bharat Petroleum – energising lives	Hindustan Petroleum HP	NAYARA ENERGY
GAIL	UPPCL	EIL	Lucknow Metro Rail Corporation
		Defence R&D Organisation – Ministry of Defence	Punjab Police
Infosys	DLF – Building India	M3M – Our Expertise. Your Joy.	SBI
SATTVA – Trust, it's what we build.	BAGMANE	Prestige Group – Add Prestige to your life	BRIGADE
Reliance	PVR	Maruti Suzuki	Ashok Leyland
Haldiram's	Kalyan Jewellers	adani	K Raheja Corp Homes

KEY **TECHNICAL SPECIFICATIONS**

				B-S1 d0	A2-S1 d0
S.No.	**Specifications**	**Unit**	**Standard**	**4 mm**	**4 mm**
Product Composition					
1	Alloy	.....	EN-485-2	AA 3105 / AA5005	
2	Temper	.....	EN-485-2	H-14/16	
3	Skin thickness	mm	.....	0.5	0.5
4	Core Material	.....	(EN 13501-1)	Fire Retardant mineral filled thermoplastic core.	Non Combustible Core
5	Panel Weight	kg/m^2	.....	7.5	8.2
Product Tolerances					
6	Panel Weight	kg/m^2	.....	±5%	±5%
7	Panel Thickness	mm	.....	± 0.2	± 0.2
8	Skin thickness	mm	.....	± 0.03	± 0.03
9	Panel Width (1250,1500mm)	mm	.....	± 2	± 2
10	Panel Length (Upto 6000mm)	mm	.....	± 4	± 4
11	Bow (Length or width)	%	.....	Max 0.5	Max 0.5
12	Squareness	mm	.....	Max 5	Max 5
Mechanical Charecterstics					
13	Tensile Strength	Mpa	(ASTM E8)	45	43
14	0.2% Proof Stress	Mpa		42	41
15	Elongation	%		≥ 5	≥ 2%
16	Modulus of Elasticity	Mpa		70000	70000
Thermal Charecterstics					
17	Linear Thermal expasion	mm/m/100˚C	(EN 1999 1-1)	2.4	2.4
18	Deflection Temprature	˚C	(ASTM D 648)	≥ 110	≥ 116
19	Temprature Resistance	˚C	(ASTM C 518)	_50....+80	_50....+80
Acoustical Charecterstics					
20	Sound transmission Loss (Rw)	dB	(ASTM E-90)	27	27
Fire Charecterstics					
21	Reaction to fire	NFPA 285	.....	PASS	PASS
22	Reaction to fire	TBW 0300734	(EN 13501-1)	Class B , S1 d0	Class A2 , S1 d0
23	Reaction to fire		(DIN 4102-1)	Class B , S1 d0	Class A2 , S1 d0
24	Self Ignition temprature not less than 343˚C		(ASTM D1929)	Pass	Pass
25	Fire Retardant	TBW	E119-20	120 MINUTES	180 MINUTES
Surface Finish Charecterstics					
26	Paint finishes	.....	(AAMA 2605-13)	PVDF/FEVE	PVDF/FEVE
27	Gloss @60°c	%		20~35%	20~35%
28	Pencil hardness	.....		HB-F	HB-F
29	Back side service Coating	.....		PE	PE

**Terms & Conditions Apply

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PRODUCT RANGE

ALSTONE® ZINC
IN COLLABORATION WITH VMZINC

ALSTONE® ALCOMB
Aluminium Honeycomb Panel

ALSTONE® HPL
Feel The Nature

ALSTONE® FR
FIRE RATED COMPOSITE PANEL

ALSTONE® CLASSIC
METAL COMPOSITE PANEL

ALSTONE® EVOLUTION
METAL COMPOSITE PANEL

ALSTONE® LOUVERS

LIMITLESS AS YOUR IMAGINATION

ALSTONE® ANTIQ

BEAUTIFULLY RUSTIC

ALSTONE® Stonera

WORK of ART

ALSTONE® FUEL PRO

ALSTONE® SIGN PRO

ALSTAR®

ALUMINIUM COMPOSITE PANEL

A PRODUCT OF ALSTONE®

20 YEARS MOST TRUSTED BRAND

THINK | CLADDING | THINK

ALSTONE®

INDIA

15th Floor, Vijaya Building, 17, Barakhamba Road, Connaught Place, New Delhi- 110001
Manufacturing: 1393, Langha Road, Industrial Area, Dehradun- 248142, Uttarakhand, India.

DUBAI (UAE)

Sharjah Industrial Area-13, Near Alico, Sharjah, UAE.
Manufacturing: R288, Al Ghail Industrial Area, Ras Al Khaimah, UAE.
Contact :+971 54793 6042

www.alstoneindia.com I info@alstoneindia.com I Whatsapp: 9599040030

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