

HYNAIDECOR[®]

ALUMINIUM COMPOSITE PANELS

1st
FR
COMPANY IN INDIA



We Are
Royal, Classic & Primo

Version 3.1





HYNADecor is one of the leading manufacturers of Aluminium composite panels (ACP) in India. HYNADecor, an ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 certified company was set up since 2013 in New Delhi. We are manufacturing aluminium composite panels (ACP) under the brand name of "HYNADecor". Our manufacturing facilities are located at Sonipat in Haryana and it's spreading in an area of 8093 SqMtr. We have a fully automatic high tech FR grade ACP manufacturing compatible machine and has an integrated infrastructure as well as a talented pool of professionals operate it. The production capacity is approx. 1, 44, 000, 00 Square fts per annum. The plant is equipped with all safety measures and generator to ensure uninterrupted production. We have in house all raw materials facilities as well as quality check labs to maintain highest international standards and where quality endurance tests are conducted as per ASTM Standards.

We have India's first a fully automatic high tech fire retardant ACP manufacturing compatible machine and it's specialize in manufacturing fire retardant aluminium composite material with international standards. We tend to implement best practices and also invent new practices as to stay above the rest in the manufacturing sectors. The main parameters which determine HYNADecor FR are quality, cost effective, flexibility and innovation. It's used to be very difficult to extrude mineral-filled core, but our advanced technology has enabled us to produce HYNADecor (FR) as efficient as ordinary core materials. It is green material, as there is no harmful burning.

HYNADecor FR grade meet the highest requirements of the fire regulations and is therefore the ideal material for all areas where fire protection plays an important role—be it for high-rise or industrial buildings, public buildings, hospitals, hotels, tunnels or underground stations. Furthermore, with its proven product and processing properties, HYNADecor FR grade aluminium composite panels offer architects designers' unlimited opportunities for realizing their ideas.

We are also committed to innovation in designing building products....

ADVANTAGES

- 100 % maintenance free.
- Saves construction time and cost at the last stages of Construction.
- Provides sound insulation and resistant to weathering effects.
- Resistant to breakage.
- Exemplary versatility in fabrication.
- Excellent UV characteristics.
- Hi-tech appeal.
- Long lasting.
- Easily available as indigenously manufactured.
- Excellent uniformity.
- Superior flatness.

www.hynadecor.com

Hynadecor (FR) is an Aluminium Composite Material (ACM) for exterior cladding. It's composed of core material and aluminium skins. The core material contains a non-combustible mineral and small content of thermoplastic, which ensures high performance of fire safety of this material. The skin is 0.5mm thick aluminium of 3005 H-16. The surface is finished with high-performance PVDF/Lumiflon-based paint and the back is a service coating. We use high-performance PVDF/Lumiflon-based fluorocarbon paint for the surface coating, ensuring both high durability and consistent coating quality. PVDF/Lumiflon-based fluorocarbon coating has a coating warranty of 12 years.

The greatest concern in external cladding is upward flaming over a vertical exterior wall, particularly in high-rise buildings. Various types of fire tests are required to examine the fire performance and non-combustibility of building materials. HYNADecor (FR) not only passes all tests, but it is also certified to meet NBC for external cladding without any height restrictions.

GENERAL SPECIFICATION

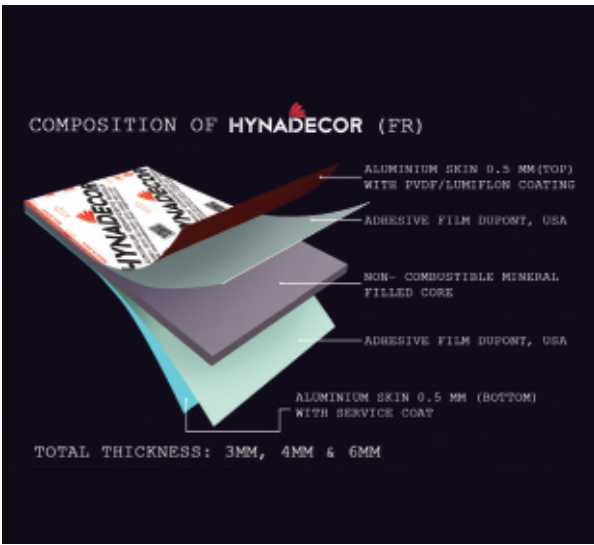
DIMENSIONS	MEASUREMENT	
Thickness	3mm, 4mm, 5mm, 6mm (±0.2mm)	
Width	1200mm (±2mm)	
Length	Less than 6000mm (±4mm)	
Bow	Max 0.5% of any dimensions	
Diagonal Lines Difference	Max 5mm	

MECHANICAL PROPERTIES	STANDARD	MEASUREMENT
Tensile Strength	ASTM D-638	49MPa
Yield Strength	ASTM D-638	44MPa
Bending Strength	ASTM C-393	120MPa(4mm)
Flexural Elasticity	ASTM C-393	2.6X104(4mm)
Shearing Strength	ASTM D-732	33MPa
Penetrating Resistance	ASTM D-732	11 kN
Adhesive Peel off Strength	ASTM D-903	10N/MM
Wind Pressure resistance	ASTM E-330	Passed
Resistance against water	ASTM E-331	Passed
Resistance against air	ASTM E-283	Passed



FIRE RESISTANT ACP

GRADE	STANDARD
Class - A2	EN13501 -1, s1, d0 ASTM - E119
Class - B	EN13501-1, s1, d0 ASTM -E119
Class - B1	DIN4102
Class - 0	BS476



HYNADecor A2 FIRE RETARDANT ACP

FIREPROOF ALUMINIUM COMPOSITE PANEL

HYNADecor A2 fireproof metal composite panels are FIRE RETARDANT product as per En135501-1,s1,d0 & ASTM - E119. It is covered on both sides with PVDF coated aluminium sheets, and embedded in between with natural inorganic materials. **The inorganic material content is >-90% off the core,** with balance made of virgin LDPE.

The metal sheet and core are perfectly bound by a special macromolecule binder. **The advance process technology of HYNADecor produce the perfect FIRE RETARDANT CORE** also improves the panels mechanical feature as Highest grade of FIRE RESISTANCE ACP, toughness, impact resistance and crushing resistance, which therefore ensure. That the ACP resists fire for minimum 2 hours with No MOLTEN DROPLETS & NEGLIGIBLE SMOKE.

FIRE RESISTENCE CHARACTERISTICS

The material classifies to **“Reaction to Fire”** is Compliance with **EN13501-1:2007+A1:2009** Classified as **A2-s1,d0**. Available in The thickness of 3.00 mm to 6.00 mm with overall weight of 8.50 kg/mt² (for 4.00 mm ACP with coil of 0.50 mm on either side)

PRODUCT SPECIFICATION - ACP

	PARTICULARS	PRODUCT COMPOSITION					
★	Product Grade	●● Royal			● Classic	● Primo	● HPL
★	Total Thickness of the panel	R 45 ●	R 43 ●	R 33 ●	C 33 ●	P 23 ●	6.0 mm
		4.0 mm	4.0 mm	3.0 mm	3.0 mm	3.0 mm	
★	Thickness of the Aluminium Skin (Top & Bottom Skin)	0.50 mm	0.25 mm		0.20 mm	0.15 mm	0.25 mm
★	Thickness of LDPE/ Mineral Core	3.0 mm	3.50 mm	2.50 mm	2.60 mm	2.70 mm	5.50 mm
★	Product Tolerance	Width		Length	Thickness	Squareness	Bow
		0/±4.0 mm		0/±6.0 mm	3.0mm	Max 5.0mm	0.5% of Length & Width
★	Grade	Exterior			Exterior	Interior	Exterior
★	Warranty*	12 Years			7 Years	-	12 Years

*Conditions Applies.

Test Certificates

SGS

Report No.: **MAIT 19 0000000000** DATE: **20/03/2018**

TEST REPORT

Product Name: **MAIT 19 0000000000**

Client: **MAIT 19 0000000000**

Address: **MAIT 19 0000000000**

City: **MAIT 19 0000000000**

Country: **MAIT 19 0000000000**

Sample Description: **MAIT 19 0000000000**

Sample Location: **MAIT 19 0000000000**

Testing Method: **MAIT 19 0000000000**

Flammability Test:

The following sample was submitted and tested on behalf of the client as:

Sample Description: **MAIT 19 0000000000**

Test Results:

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SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH
(A unit of Shriraam Scientific and Industrial Research Foundation)

18, University Road, Delhi - 110007 (India)
Website: www.shriramresearch.org
E-mail: info@shriramresearch.org

TEST CERTIFICATE NO.: **C1000010000**

Product Name: **MAIT 19 0000000000**

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Address: **MAIT 19 0000000000**

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The Automotive Research Association of India

18, University Road, Delhi - 110007 (India)
Website: www.arai.org
E-mail: info@arai.org

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Testing Method: **MAIT 19 0000000000**

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
Sample Description: **MAIT 19 0000000000**

Test Results:

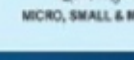
Classification: **MAIT 19 0000000000**

Page 1 of 1


Udyog Aadhaar





भारत सरकार
Govt. of India
सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES



सूक्ष्म, लघु और मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



उद्योग आधार  Udyog Aadhaar 

B

Type of Enterprise	Micro	Small	Medium
Manufacturing	A	B	C
Services	D	E	F
UAM No.	DL06B0013883		

Udyog Aadhaar Registration Certificate

Udyog Aadhaar Number

Name of Enterprise

Location of Plant Details

DL06B0013883

SONIA PLASTICS PRIVATE LIMITED

SN	Flat/Door/Block No.	Name of Premises/Building Village	Road/Street/ Lane	Area/Locality	City	Pin	State	District
1	KHEWAT NO - 458	KHATTA NO - 532, KILLA NO - 32/1/2, 2/2/2	VILLAGE WAZIDPUR SABOLI	BLOCK - RAI	SONIPAT	131001	HARYANA	SONIPAT

Official Address of Enterprise

Date of commencement

Major Activity

Enterprise Type

Previous Registration details-if any

National Industry Classification Code

701, 7TH FLOOR, KINGS MALL, SECTOR 10, ROHINI

District NORTH WEST DELHI State DELHI PIN 110085

17/02/2018

MANUFACTURING

Small

::

SN	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit Code	Activity Type
1	32 - Other manufacturing	3290 - Other manufacturing n.e.c.	32909 - Manufacture of other articles n.e.c.	Manufacturing
2	16 - Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	1621 - Manufacture of veneer sheets; manufacture of plywood, laminboard, particle board and other panels and board	16213 - Manufacture of flush doors and other boards or panels	Manufacturing

Acknowledgement

Date of Filing

05/02/2019

Date of Printing

05/02/2019

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Printed from udyogaadhaar.gov.in

MyMsme Mobile App (Beta Version) is available now for download. <https://play.google.com/store/apps/details?id=msme.mymsme>

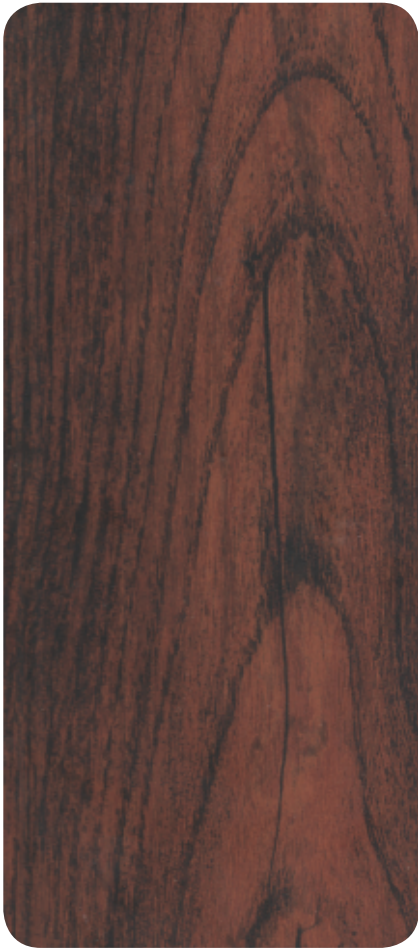


HD-200 ROYAL WALNUT

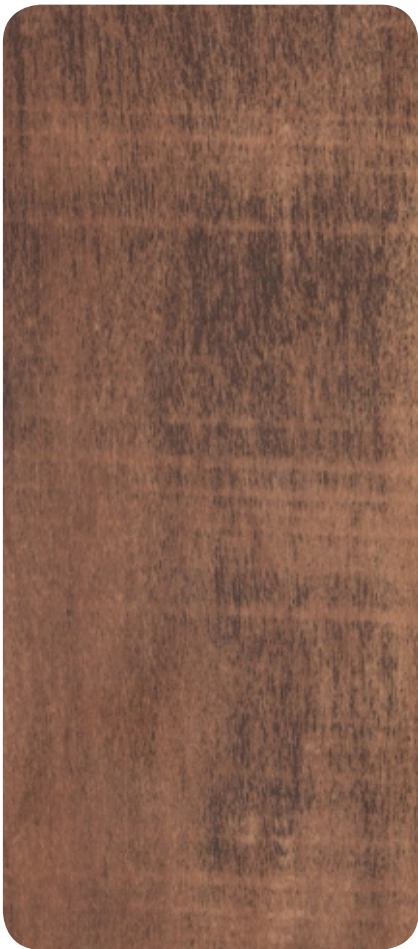
Wooden Series



HD-200 ROYAL WALNUT ●●



HD-212 BROWNISH RUSTIC ●●



HD-213 NATURAL OAK ●●



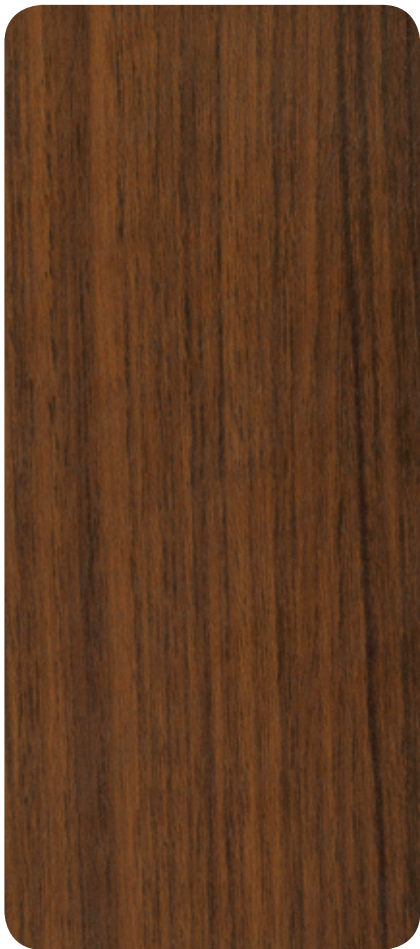
HD-209 NEW OAK PINE ●●



HD-019 GLAIRE WHITE

HD-214 BURMA TEAK

Wooden Series



HD-208 ROYAL WOOD ●●



HD-214 BURMA TEAK ●●



HD-206 NATURAL WOOD ●●



HD-207 INDIAN WALNUT ●●



Wooden Series



HD-201 CARISMA WOOD ●●



HD-202 TROPICAL TEAK ●●



HD-203 NEW EBONY ●●



HD-204 SPLATED RUST WOOD ●●

HD-210 ZEBRA WOOD



Wooden Series



HD-210 ZEBRA WOOD ●●



HD-211 AFRICAN WOOD ●●

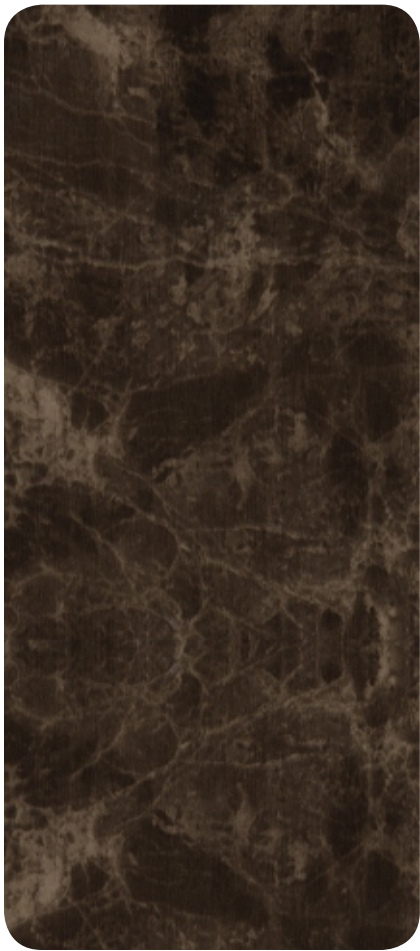


HD-205 ROSE WOOD ●●





Marble Series



HD-300 EMPERADOR ●●



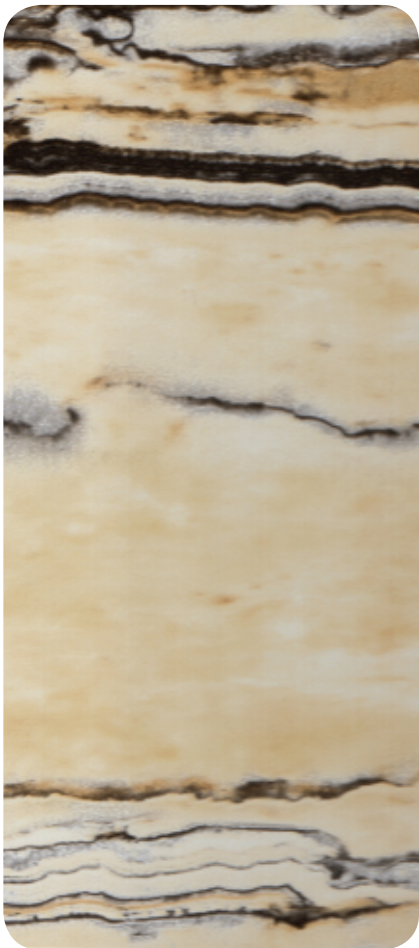
HD-301 BLACK MARBLE ●●



Marble Series



HD-302 ITALIAN MARBLE ●●



HD-303 YELLOW STONE MARBLE ●●

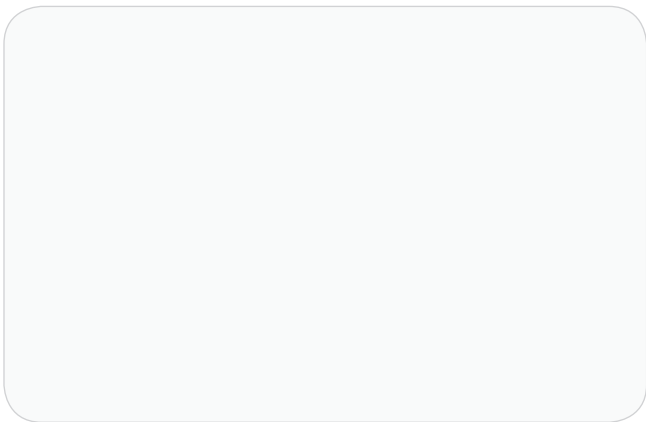


HD-304 PERLATO ●●

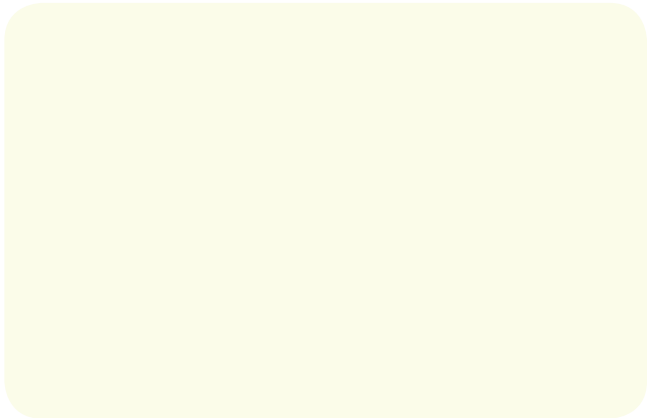




HD-050 RED GLOSS ●●●●



HD-051 WHITE GLOSS ●●●●



HD-052 IVORY GLOSS ●●●●



HD-053 BLACK GLOSS ●●●●



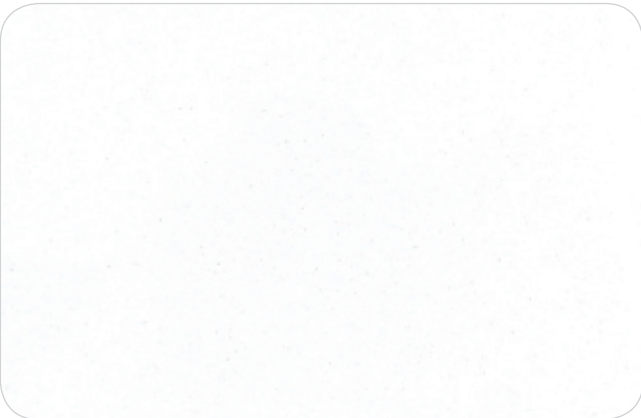
Sparkle & Mirror Series



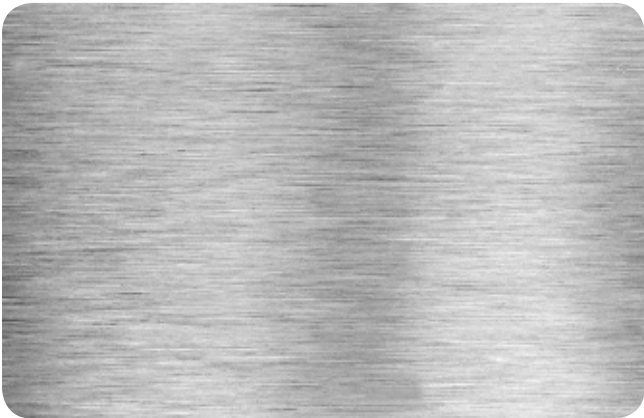
HD-054 RED SPARKLE ●



HD-055 BLACK SPARKLE ●



HD-056 WHITE SPARKLE ●



HD-040 BRUSH SILVER ●●



HD-041 MIRROR GOLD ●



HD-042 MIRROR SILVER ●



HD-043 MIRROR COPPER ●

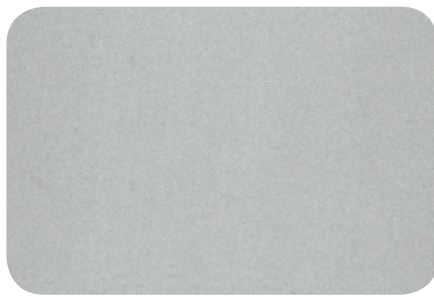




Solid & Metallic Series



HD-001 BRIGHT SILVER ●●●●



HD-002 SILVER METALLIC ●●●●



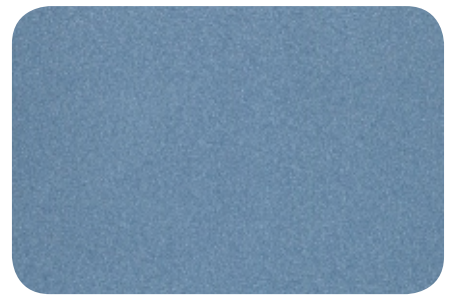
HD-003 CHAMPAGNE SILVER ●●●●



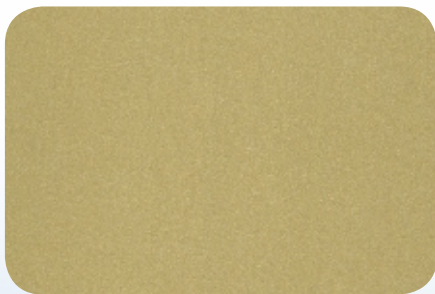
HD-004 CHAMPAGNE GOLD ●●●●



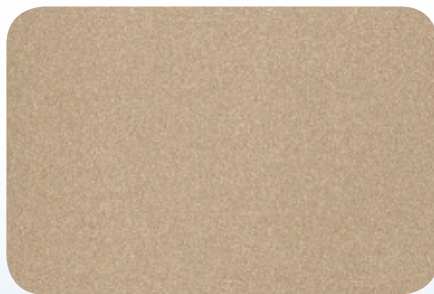
HD-005 METALLIC GREY ●●●●



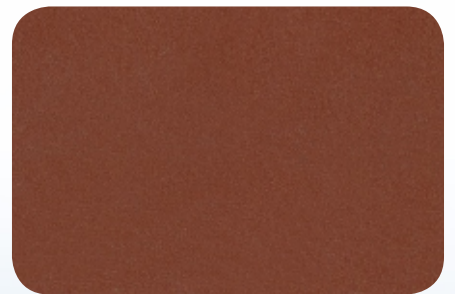
HD-006 BLUE METALLIC ●●●●



HD-007 ROYAL GOLD ●●●●



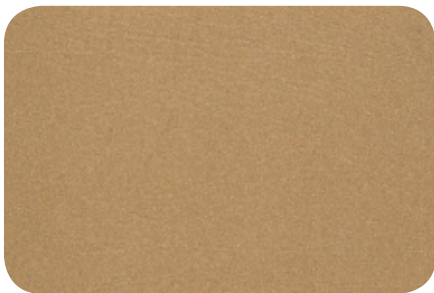
HD-008 PRECIOUS GOLD ●●●●



HD-009 COPPER JEWELL ●●●●



Solid & Metallic Series



HD-010 DUCTILE COPPER ● ●



HD-011 MALLEABLE COPPER ● ●



HD-012 GREEN SEA ●



HD-013 ROYAL BLUE ● ●



HD-014 BERRY BLUE ● ●



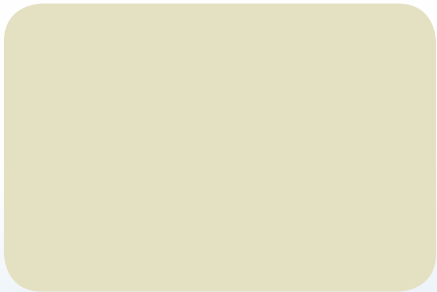
HD-015 ROYAL RED ● ● ●



HD-016 RICH RED ● ● ●

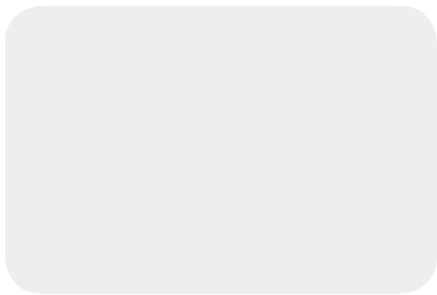


HD-017 BURGUNDY ● ● ●



HD-018 NATURAL IVORY ● ● ●





HD-019 GLAIRE WHITE ●●●●



HD-020 WHITE SMOKE ●●●●



HD-021 SAND DUNE ●●●●



HD-022 BURNING SAND ●●●●



HD-024 OPPO GREEN ●●●●



HD-025 COAL BLACK ●●●●



HD-026 ROYAL PURPLE ●●●●



HD-027 MANDARIN ORANGE ●●●●



HD-028 PINK CHARM ●●●●



Solid & Metallic Series



HD-029 DARK BROWN ● ●



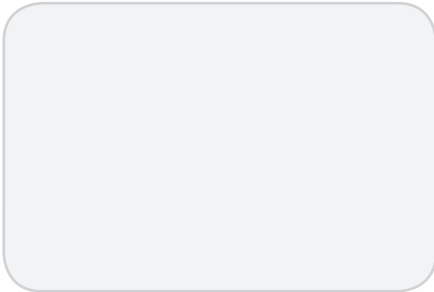
HD-030 YELLOW ● ●



HD-031 MIDNIGHT BLUE ●



HD-032 LAKE BLUE ●



HD-033 GALAXY WHITE ● ●



HD-034 SKY BLUE ●





HYNADecor[®]

ALUMINIUM COMPOSITE PANELS

An ISO 9001 : 2015 ISO 14001 : 2015 OHSAS 18001 : 2007 Certified Company

Corporate Office: 701, 7th Floor, Kings Mall , Twin District Centre, Rohini , Sector-10 , Delhi -110085, INDIA

Factory: Khewat No 458, Khatta No-532, Killa No-32/1/2, 2/2/2, Village-Wazidpur Saboli, Block-Rai Saboli, District – Sonipat-131001, Haryana. INDIA
Email: factory@hynadecor.com

info@hynadecor.com
www.hynadecor.com



*Colour may vary from batch to batch $\Delta \pm 5$

To avoid colour variation, place an order the total quantity for one particular building.
To avoid possible reflection of light variation, install panels in the same direction as marked on the protective film.

*Incase of any manufacturing fault, the liability will be limited only to the Product.