

INCLINE TOWARDS
A BETTER FUTURE



THE ATTACHMENT TOWARDS INSPIRATION, INNOVATION & SATISFACTION



Continuous adherence to quality and supremacy with a focused eye on innovation and a strong commitment to quality, we have carved a niche for ourselves in the market. The afterglow of satisfaction that comes after the achievement of a task that demanded our best has been the inspiration to our journey so far.

We have adopted new changes and trends in the market and have also given edge and innovative products to the market. All through the while, we have managed to keep our pace in equilibrium with the market along with keeping our core values intact. Not only that, we also promote sustainable development and eco-friendly practices. We make sure that our manufacturing processes cause minimum damage to nature.

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ABOUT US

FLEXIBOND, a leading ACP manufacturing brand since its inception in the year 2002, has been ruling the industry with its innovative products. The organization is proud to stand on the pillars of hard earned goodwill. FLEXIBOND has created a rich legacy for the brand with an avant-garde product line that has distinctive products used for interior, exterior, facade, furniture and signage applications.

15 years back, there were very few companies in the market that were manufacturing ACP sheets and FLEXIBOND was amongst the top 4 companies serving the finest sheets. It was the year 2009 that witnessed the commencement of a new product line of free foam PVC sheets at FLEXIBOND. This marvel from the house of FLEXIBOND gave a new shape to the signage industry as it is altogether more durable, flexible and also aesthetically rich. FLEXIBOND expanded its product realm in the year 2010 with the production of Celuka PVC/ WPC foam board; a contemporary replacement of conventional wood used in the furniture industry. This new product created a unique space for itself in the market since it has all the necessary virtues. As FLEXIBOND believe in long time relationship, we continue to focus on providing quality products to architects, designers and end customers. Therefore, FLEXIBOND came up with India's first automatic manufacturing line of acrylic solid surface in 2016.

All these products are developed in an eco-friendly manner. We also contribute towards sustainable development which is why our company is accredited with ISO 9001: 2015, ISO 14001: 2015 and OHSAS 18001: 2007. Besides, we are also given the honor of being a part of Indian Green Building Council.

MISSION

It is our core mission to carve a niche for ourselves and create an indisputable market status; gaining appreciation and loyalty of architects, designers, engineers, builders and other construction industry associates.

VISION

At Flexibond, we always strive to attain progress but it shall never be at the cost of Mother Nature. All measures are operated with utmost care and concern; reducing the impact of our practices on environment. We always focus on following eco-friendly processes that reduce carbon footprints, in turn contributing to sustainable development.



QUALITY & SERVICE COMMITMENT



FLEXIBOND is committed to manufacture and supply products which meet stringent quality standards and multiple quality confirmation levels, to provide value for money with the help of innovation and continuously upgraded technology, which leads customer's satisfaction and enhance loyal customer pool.

Integrity, honesty, transparency, competency and objectivity are the working principles of FLEXIBOND. Resultant of which company always keep the supply time of products to any part of the country below or half the industry standards.

OUR BRAND STORY

2000 - 2001

Umiya Airpack Pvt.Ltd.was established in this year. This plant was 1st in Gujarat and 3rd in India to manufacture air bubble sheet. During those days, we were the only Indian Company whose specially designed envelope was approved by the US Postal Department

2001 - 2002

Umiya Flexifoam Pvt. Ltd. was established in that year. Initially the plant manufactured the product named expanded polyethylene (EPE) foam. EPE foam was manufactured with the help of the latest Korean technology. We were the 3rd in India to produce EPE.

2002 - 2003

We added new product in our product basket, Aluminum Composite Panel. We started manufacturing ACPs under the brand name of FLEXIBOND. It was a proud moment for us because we were the pioneering company in Gujarat and 4th in India to manufacture Aluminum composite panels.

2005 - 2006

To nurture the Mother Nature and to reduce the carbon footprints, we came up with one more interesting product, battery operated electric bikes. These bikes were manufactured under the roof of Umiya Bikes Pvt.Ltd. Umiya was 2nd in Gujarat and 4th in India to do so.

2008 - 2009

Umiya Carbon Pvt.Ltd., sister company of Umiya Flexifoam Pvt. Ltd. was established. This was the only plant across India to manufacture carbon powder and oil from waste tyre rubber by catalyzing processes with the help of fully automated German technology.

2009 - 2010

FLEXIBOND became the 1st manufacturer of Gujarat and 4th of India to develop free foam PVC sheets that brought the revolutionary change in signage application.

2010 - 2011

A human breathes about 9.5 tonnes of air in a year which is equivalent to oxygen produced by seven to eight trees in a year. By considering this scientific fact and the current scenario of deforestation, FLEXIBOND came up with PVC/WPC celuka board and WPC solid doors which are replacement of conventional wood and wooden doors.

2015 - 2016

FLEXIBOND proudly launched India's first pure acrylic solid surface manufacturing plant. This plant has cutting edge technology from Germany and can compete with other MNC's in terms of quality and other industry standards.

2017 - 2018

WPC solid door frames were launched during this year. Using its prowess and time tested experience, the company ventured into manufacturing Solid Door Frames and gave a new dimension to the industry with its innovative product range.

OUR BRAND STORY

2021 - 2022

FLEXIBOND DECORATIVES LLP. expanded its capabilities by installing state-of-the-art machinery to introduce PVC laminates. Additionally, the company initiated its operations in the USA, marking a significant step in its global growth strategy.

We boosted its production capacity to better serve an expanding market, positioning itself for increased output and efficiency. To support this growth, the company added two new warehouses at USA, enhancing its storage capabilities and streamlining the supply chain for improved service delivery.

2022 - 2023

2023 - 2024

FLEXIBOND DECORATIVES LLP. further expanded its product basket by adding Acrylic Laminate to its offerings. This addition enhances the company's portfolio, providing customers with more high-quality surface solutions.

UMIYA CARBON PVT LTD. proudly introduced PVC Soffit Ceiling and Louvers, bringing a fresh, durable solution to our architectural product basket. With these PVC panels, we now offer enhanced aesthetic appeal alongside practical functionality for both interior and exterior spaces. This addition highlights our ongoing commitment to innovative design solutions that elevate modern architectural projects.

2024 - 2025

PRODUCT PORTFOLIO



Aluminum Composite Panel



PVC Laminate



PVC/WPC Foam Board



PVC / WPC Solid Doors & Frames



Acrylic Laminates



PVC Soffit & Louvers

ALUMINUM COMPOSITE PANEL



FLEXIBOND Aluminum composite panel are widely used in today's industries and other many fields which are related to design and ultra-modern style. Its color variants, exterior/ interior usage, environment friendly nature, water proof behavior, Green Building concept, digitally printable characteristics, superior flatness, UV resistance, strength and lightweight make it most convenient option for various exterior and interior applications, in a wide range of industries.

The ACP are produced under a feed block roll injection system, in which the front and back aluminum skins are composited or sandwiched with the extruded LDPE along with adhesive polymer film which adheres the aluminum skins to the core material. The aluminum skins are used in various alloy grades such as 1100,3003,3105 and 5005. The aluminum skin's colors are supplied by backer/ PPG, with coating of KYNAR-500/HYLAR-5000 PVDF. Panels are passed through multiple rounds of processing using latest technology to achieve the highest levels of performance.

These processes are eco-friendly as it excludes the emission of any environment unfriendly Volatile Organic Compounds(VOCs).

Metallic & Solid Colors

To nurture your capabilities of shades imagination, FLEXIBOND came up with wide range of metallic and solid colors. Metallic and Solid colors are produced in triple coat or double coat with color variants, gloss retention, excellent surface flatness, feathery smoothness and extremely light in weight. It has a top clear coat which gives a lustrous surface, due to which different lighting and viewing angles highlights its richness.

Hence they are preferred when a uniform appearance without special effects is required or in case where certain areas are highlighted in the form of niches of the building like façade or signage:



Wooden & Rustic Wood Series

Nature is the house of inspiration and we attempt to bring you the beauty of real trees and wood in our wood and rustic wood series. We have a plethora of different wooden finishes to satisfy your choices. Rustic wood is a series where you can touch and feel the grains in the panels, which is uniquely painted so that the grains are raised above surface which gives the feel of the unevenness of wood. FLEXIBOND providing all kinds of panel surfaces with long lasting durability, innovative designs and other host of features.

Marble Series

No one is immune to the affection of natural marble, such is their aura and appeal. However, they are scarce, expensive and difficult to maintain. Hence, to simplify the tougher part, we are here with Marble Finish sheets. Right from smooth surfaces to the rowdy patterns, you get it all here. It stands for endurance, authenticity and intrinsic value. Panel reflects light in a magical vibrant way ranging from rough to smooth. The natural and vibrant effects of these coated panel sheets are a perfect replacement for real stone, as it allows for lower costs of construction, ease of handling and maintenance of the buildings.



Premium & Exclusive

Premium and exclusive collection is designed to give a long lasting solution. This collection consists of Nano and Blast series; each having unique features and a promise of reliability. Use of state-of-the-art technology and advance mechanism helps to implant best of the features into the panels involved in this collection. This one of a kind set stands for aesthetic appeal, color composition and refreshing finish. Besides, panels included here are more hygienic and contain non-toxic chemicals, evading the factor of health issues.



Nano-self Cleaner



FLEXIBOND Nano-Self Cleaner sheets are produced with a new and exciting NANO technology. This coating technology changes the molecular structure of the paint and enhances the performance of the paint coating by giving the coated surface a longer gloss and color retention. The Nano coated paint surface is lipophobic & hydrophobic. This is achieved by sealing any air-gaps between the tiny paint molecules with a water-soluble chemical, which prevents dirt, water, permanent spray paint, carbon monoxide, grease, oil or any foreign particles to penetrate through the paint surface.

In addition, the NANO PVDF application is a toxic VOC emission free coating system, which makes the surface self-cleaning and repellent to air-borne pollutants. NANO coating prevent penetration of UV rays and other pollutants through the paint surface, giving double life for gloss and color retention.

Hence, it comes with 20 years limited color warranty.

Blasting Series



Blasting Series colors are specially made to make the exterior part of the building more rich and different. These PVDF double-coated colors are eye-catching and long lasting same as regular colors.

It comes with 15 years limited color warranty.

Fire Shield FR Grade

Human life is a precious gift and our measures are dedicated to conserving the same. We use modern technology to address our concern. We have developed Fireshield/FR aluminum composite panel, it is composed of two skins of aluminum laminated to either side of a mineral-filled thermoplastic core. The Aluminum (alloy AA3105 and AA5005) surfaces have been color-coated with advance fluorocarbon PVDF and next generation fluorocarbon FEVE resin in a variety of finishes and colors.

Fireshield/FR aluminum composite panel are brought to existence using modern technology implemented by FLEXIBOND. Fireshield/FR is formed of more than 75% Non-Halogen type of mineral (Magnesium Hydroxide) and less than 25% PE and other additives. Magnesium hydroxide is better at fire resistance than other similar kinds of materials. It produce vapor when it is confronted by a fire. Fireshield/FR is an environment friendly product irrelevant to air pollution caused by toxic gases in case of a fire. Fireshield/FR does not release any dangerous gases which are a frequent reason for loss of human life at the time of a fire. It reduce smoke levels which causes foggy eyesight making it easier for a person to escape through the escape routes of a building. Fireshield/FR also helps to prevent rapidly spread of flames for 2 hours. Due to this delay it provides extra time for the helping team to rescue in a fire situation.

With all the versatility of our classic high density mineral core, Fireshield/FR panels deliver exceptional flatness, vibration damping, durability and ease of maintenance to realize your architectural vision beautifully. A wide range of colors like metallic-solid, wooden, marble and special anodize finishes are available for immediate delivery, along with unlimited possibilities of custom color matching.

Our Fireshield/FR grade fulfil the standards of EN 13501-1, Class B-s1, d0 and BS 476 Part 6 and 7, DIN-4102.



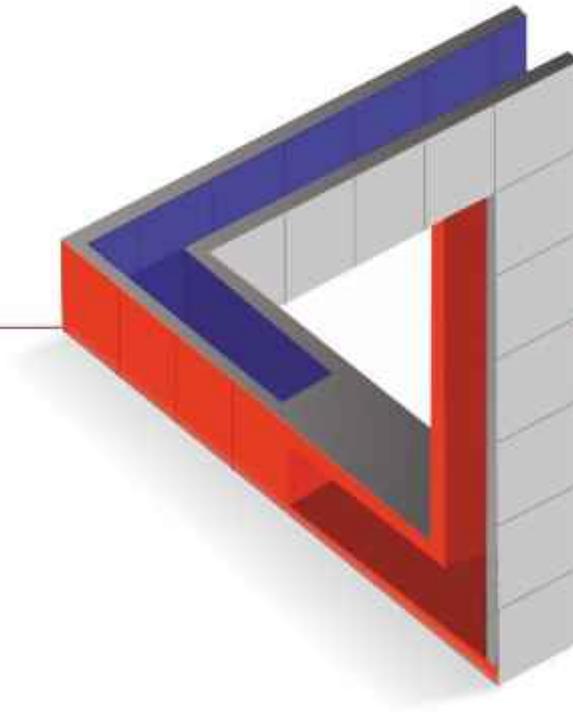
Partition Wall Panel

FLEXIBOND introduced partition wall panels in outstanding color variants. Made with supreme quality materials and modern technology, these wall panels can stand the test of time without demanding much maintenance. Besides, their high application potential, excellent surface, supreme rigidity, ease to fabrication, resistance to chalking make them second to none. Partition wall panels are used for wall paneling, cubicles and partitions in factory, institute, school, university, shopping mall, multiplex, banquet hall, exhibition stall, etc.

SIGNature Collection

Signature is the standard signage that reflects the brand picture. It is an ideal way to put forward the company's image and boost the brand recall value. Today, a variety of signature signage is developed to make sure that a brand easily stands out in the competitive market. Signature is one of the most effective tools to communicate brand message across. It is one of the ideal forms of advertising and has got a great demand in the market.

Hence, FLEXIBOND offers customized color sheets that can produce distinctive and customized signage. For us, it is always about customer satisfaction. We not only listen to them but also understand their needs and serve bespoke solutions that suit the criteria. It is one of the most attentions gaining branding materials that if done correctly can bring a lot of name to the brand and so we work closely with market trends and give an up-to-date appearance to our products.



A Brand to Bank Upon

There is no denial in a fact that, signage frames the functional identity of the brand. Hence, we provide just the right colors for your need that can synergize with the nature of the company and the brand. Along with maintaining brand symphony these also address innovation and creativity to give an edge to the final signage. Ergonomic built of our products makes execution easier. They are the source of inspiration for professionals and have been instrumental in shaping brand values in the market. Our team conducts necessary researches and works in close partnership with designers to understand the job so as to deliver the perfect product. Color consistency, quality products and service after sales are key pillars for our SIGNature success.

Technical Specification

Panels Physical Properties

Product Grade	Panel Thickness	Coil Thickness	Core Thickness	Aluminum Alloy Series
FLX-450	4.0 mm	0.50 mm	3 mm	3105 / 5005 alloy
FLX-425	4.0 mm	0.25 mm	3.5 mm	1100 alloy
FLX-330	3.0 mm	0.30 mm	2.4 mm	3105 / 5005 alloy
FLX-325	3.0 mm	0.25 mm	2.5 mm	1100 alloy

Color Coating Properties

Product Grade	Color Grade	Warranty	Top Coil Coating Thickness	Back Coil Coating Thickness
FLX-450	PVDF / FEVE	10 / 15 years	26 μ / 30 μ \pm 2 μ Beckers/PPG Germany	7 μ \pm 2 μ Primer coat
FLX-425	PVDF	10 years	26 μ \pm 2 μ Beckers/PPG Germany	7 μ \pm 2 μ Primer coat
FLX-330	PVDF / FEVE	10 / 15 years	26 μ / 30 μ \pm 2 μ Beckers/PPG Germany	7 μ \pm 2 μ Primer coat
FLX-325	PVDF	10 years	26 μ \pm 2 μ Beckers/PPG Germany	7 μ \pm 2 μ Primer coat

Product Tolerance

Width	\pm 2.0 mm	Coil Thickness	\pm 0.03 mm
Length	\pm 4.0 mm	Panel Thickness	\pm 0.2 mm
Squareness	Maximum 5 mm	Bow	Maximum 0.5 % of width and/or Length

Standard Dimension

Thickness	3 mm and 4 mm
Sizes	1220 mm X 2440 mm, 1220 mm X 3050 mm, 1220 mm X 3660 mm

Remark: For FLX-320, FLX-315, FLX-310, HPL and Partition panel, please ask separate technical data sheet.

Features & Benefits



Color & Panel Specification

- Full panel thickness available from 1mm to 6mm
- Where the top & bottom coil is 0.10 mm to 0.50 mm thick with top coil is **PVDF / PE Coating** and the bottom is with gray color premier finish as per industry standards.
- Adhesive Film : DuPont
- Top color coil will be protected with FLEXIBOND protective film up to final destination.
- Warranty against color fading will be 10 years for PVDF coating.
- The plastic core is a combination of virgin and recycled LDPE. **Which is recycled at company's own manufacturing facility.**

Panel Thickness : 1mm To 6mm | **Color**: PVDF / Polyester | **Grade** : Exterior & Interior

Color & Coating

Aluminum Skin Coating

FLEXIBOND aluminum composite panel is coated with KYNAR-500/HYLAR 5000 PVDF (Polyvinylidene Difluoride). This coating is most suitable for exterior grade application. This PVDF coating ensures 10 years warranty against color fading.

KYNAR 500

KYNAR 500 is a widely used PVDF resin to protect Commercial, Industrial, and residential building around the world. KYNAR 500 is special grade of PVDF resin used by licensed industrial paint manufacturers as the base resin in long-life coating for aluminum, galvanized steel, and aluminized steel in applications such as metal roofing and siding, window and door frames, curtain wall and other miscellaneous metal trim and components. The paint is supplied by PPG Inc/Becker. The PVDF Coating Meet or exceed AAMA 605.2 performance requirements.

KYNAR-500 PVDF based fluorocarbon coating is factory-applied on a manufacturer's continuous paint line and consists of 5f.l (approx.) of primer and 25f.l (approx.) of KYNAR-500 based fluorocarbon coating.

Properties :

Long-life color retention and resistance to fading and chalking. Excellent low-maintenance exterior finish.

Method of Coating :

Applied to metal by conventional coil coating methods or spray applied to extruded and performed metal. FLEXIBOND ACP is coated with Coil Coating Method.

Compatibility with Sealants :

Conventional high quality systems can be used in conjunction with KYNAR 500 based finishes. Specific data and recommendations should be requested from sealant manufacturers.

Cleaning :

Conventional detergents or solvents or other types of cleaners, as recommended by the license formulators, can be used on KYNAR 500 based finishes.

General Properties

NO.	TEST DETAIL	STANDARD	UNITS	RESULTS
1	Thickness		mm	4.0
2	Specific Gravity		g/cc	1.39
3	Tensile Strength	ASTM E8	KN (psi)	1.9 (655)
4	Yield Strength	ASTM E8	KN (psi)	1.5 (517)
5	Paint Thickness		l/m	30
6	Coating Salt Spray Test	ASTM B 117	Test upto 1000h	Passed
7	Humidity	ASTM D 2247-97	Test upto 1000h	Passed
8	Weathering	ASTM G 53	Test upto 200h	Passed
9	Peel Strength	ASTM D 903-93	N/m	7.27x10'
10	Shear Strength	ASTM D 1002-94	Mpa	6.35
11	Punching Shear Resistance	ASTM 732	Kg/sqm	2.3
12	Beating Stress	ASTM C 297-94	Mpa	>8.87'
13	Deformation Temp	ASTM D 648-95	"C	>180
14	Horizontal Shear Strength	ASTM D 638-96	Mpa	40.7
15	Horizontal Elongation	ASTM D 638-96	%	7.2
16	Horizontal Flexure Strength	ASTM D 790M-93	Gpa	>10.0
17	Horizontal Flexure Stress	ASTM D 790M-93	Mpa	40.7
18	Coefficient of Thermal Expansion	ASTM D 696	1Q"/c	24-28
19	Longitudinal Shear Stress	ASTM D 638-96	Mpa	40.4
20	Longitudinal Elongation	ASTM D 638-96	%	12
21	Longitudinal Flexure Strength	ASTM D 790M-93	Gpa	>10.0
22	Longitudinal Flexure Stress	ASTM D 790M-93	Mpa	117
23	Co-efficient of Longitudinal Thermal Expansion	ASTM D 696-91	Mm/mm/oC	3.04x10.5
24	Thermal Conductivity	ASTM C-177	Kcal/mhoC Kcal/mhoC	0.15 102
25	Sound Transmission Loss	500 Hz 28-36	DB	33.9
26	Positive Pressure for Deformation Test	Gb71 06-86	Kpa	0.4
27	Negative Pressure for Deformation Test	Gb71 06-86	Kpa	0
28	Positive Pressure for Safety Test	Gb71 06-86	Kpa	5.0
29	Negative Pressure for Safety Test	Gb71 06-86	Kpa	-5.0
30	Bending Test	920t	Kgf/cm	1072
31	Panel Weight		kg/m'	5.49
32	Impact Test	BS 3900	4.6 kg Weight an height of 2 ft.	No Damage

APLEX

Aluminium High-Pressure Laminates

The high-pressure laminate -Apex designed by Flexibond have all the attributes of a new generation product which we have gained by combining excellent artistic features with virtues of interest for all architectural design solutions, starting from ductility to strength. Flexibond's AHPL is a product that is both easy to work on and remarkably strong at the same time. Our AHPL is resistant to scratches, heavy impact, chemical substances, and heat. All these attributes make it an ideal material for diverse applications. To ensure further properties, it is also antibacterial and fireproof, therefore they are especially suitable for applications in public places or areas where hygiene important for eg, kitchens & hospitals.



APLEX

Aluminium High-Pressure Laminates

Features



High Thermal
Insulation Properties



Good At Acoustic
Properties



Water
Resistant



Overall High
Combined Strength



Least Waste
At Site



Ease To Fabricate
And Handle



Eco Friendly
Product



Bendable Material
Compare To Hpl



Low Expansion
Contraction

Application



OUTDOOR
CLADDING



FACADES



GATE
ELEVATION



FENCES



BALCONY
CLADDING



RAFTERS



LOUVERS



CANOPY



RAILING



CEILING



Aluminium High-Pressure Laminates



Technical Specification

S.NO	ITEMS	FLEXIBOND AHPL
1	Thickness of Composite Panel (mm)	6mm
2	Skin Thickness (mm)	0.25mm
3	Weight (Kg/Sqm)	7.5Kg
4	Polyethylene type LDPE (g/ cm ³)	0.92
5	Surface	-----
6	lacquering	LUMIFLON / PVDF
7	Brilliance (Initial Value)	30-30% accord to Gardner
8	Hardness (Pencil hardness)	3H
9	Temperature Resistance	From- 50 to +80° C
10	UV Stability	Brillant
MECHANICAL PROPERTIES OF ACM		
11	Tensile Strength (ASTM E-8)	4.2 Kgm P ²
12	Yield Strength (ASTM E-8)	4 Kgm P ²
13	Elongation (ASTM E-8)	13%
14	Flexural Elasticity (ASTM C-393)	4030 Kg/mm ²
15	Thermal Expansion (ASTM D-698)	1.1 mm/M/50° C
MECHANICAL PROPERTIES OF ALUMINIUM SKIN		
16	Aluminium Alloy Grade	H 18 -1100
17	Yield Strength (ASTM E-8)	14Kg / mm ²
18	Modules Of Elasticity (ASTM C- 393)	7000Kg /mm ²
19	Bond Integrity (ASTM C-297)	118 Kg/cm ²
20	Deflection Temperature (ASTM D-648)	110° C
ACOUSTICAL PROPERTIES		
21	Sound Absorption Factor as	0.05
22	Ari Born sound insulation index Rw (dB)	24
23	Loss Factor d	0.0057

General Properties

24	Gloss at 60°	26
25	Elongation ASTM E-8	A50>=3%
26	Abrasion Resistance (ASTM-D-968-81)	The painted Film doesn't wear out through pouring 50 Ltr of sand on the surface of the coated panel
27	Hardness (Pencil hardness)	3H
28	film hardness (Pencil hardness)	2H
29	Rigidity E-J (KN cm 2/3)	865
30	Reverse Impact Crosshatch ASTM 1737-62	2T.no Cracking
ADHESION		
31	Dry ASTM D-3359 Method 8	No Change
32	Wet 37.8°C, 24 Hrs	No Change
33	Boiling Water 1000C, 20mm	No Change
CHEMICAL RESISTANCE		
34	HCL (ASTM D1308 -79)	No Change
35	H2 SO4 (ASTM D1308-79)	No Change
36	Detergent (ASTM D2248-73)	No Change
37	Oil Resistance	No Change
38	Dirt Resistance	No Change
WEATHERABILITY		
39	Colour Retention (ASTM D-2244-89 Max 5 Unitts)	4000 Hrs
40	Gloss Retention ASTM D-523-89 70%	4000 Hrs
41	Chalking ASTM D-4214-89 Max 8 Units	No Chalking was seen 4000Hrs
42	Salt Spray	No Change 3000Hrs
43	Humidity ASTM D-2247-87	No Blister, No Craking, 10 Cycles:24 Hrs X 100% RH, 37.8°C:2 HrsX 18°C 4HrsX24°C
44	Humidity (Thermal ASTM D-2244-65)	None to very few # 8 blisters 100%
45	Condensing Humidity 54.4°C ASTM 4585-87	Rhx 54.4°C, 2500Hrs

Credentials



ISO 18001 : 2007
Certificate



ISO 9001 : 2015
Certificate



ISO 14001 : 2015
Certification



Member of Indian
Green Building Council



FR Test Certification from
Exova Warringtonfire



Test Certificate
IIT Mumbai



Confederation of
Indian Industry

Member of Confederation
of Indian Industry



Tested
at CIPET Laboratory



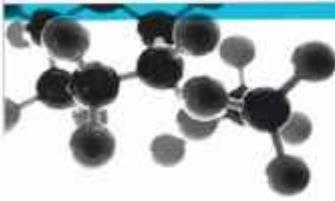
15 Years
Warranty

Certificates

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BS 476: Part 7: 1997



Method For Classification Of The Surface Spread Of Flame Of Products
 A Report To: FLEX/DOND-Guyva Plastform Pvt. Ltd.
 Document Reference: 402042

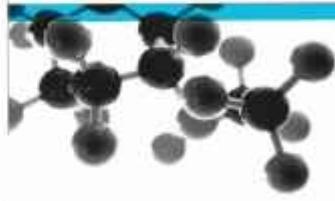
Date: 07 October 2018
 Issue No.: 2
 Page: 1

Testing Advising Assuring
 Mumbai
 India

EXOVO
 Maharashtra
 Mumbai
 India

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Class 0 Summary Report



Including Update Of Compliance With The Requirements For A Class 0 Surface As Defined In Paragraph A13(b) Of Approved Document B (Fire Safety) To The Building Regulations 2010
 A Report To: FLEX/DOND-Guyva Plastform Pvt. Ltd.
 Document Reference: 402042 & 402041

Date: 07 October 2018
 Issue No.: 2
 Page: 1

Testing Advising Assuring
 Mumbai
 India



Dr Prem C Jain
 Chairman

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s **Univa Flexform Pvt Ltd**, is one of the Members of Indian Green Building Council (IGBC) under the category: **Mfg. / Product Suppliers** for the period **1 January 2017 - 31 December 2017**.

M/s Univa Flexform Pvt Ltd, membership number is "IGBC - MP - 1682".


Prem C Jain

A. S. KHANNA
 Partner
 IIT Bombay

Corrosion Science & Engineering
 Indian Institute of Technology, Bombay
 Powai, Mumbai-400 076, India

Phone: +91 22 25727691 (CX)
 +91 22 25727692 (RHS)
 Fax: +91 22 25727693
 E-mail: a.khan@iitb.ac.in
 Chennai - MPC 300 120488

Feb 26, 2018

M/s Univa Flexform Pvt. Ltd,
 Plot No. 40 A, Dhadukda Industrial Estate,
 6A, Vashi Road MIDC,
 Chembur - 400017,
 Dist. Mumbai

Ref: Your Letter dt. 12.1.2018
 Our Job No. DHDUC/ASG/AT/05-46

Dear Sir,
 Sub: Testing of Aluminium Composite Panels (Bread Flexform)

Enclosed please find the test report of five sets of samples of aluminium composite panels (Bread Flexform) colour - Dight Silver, Champagne Silver, Blue and Traffic yellow sent to our laboratory for testing and analysis.

Thanking you,
 Yours sincerely,

A. S. KHANNA
 Partner - Corrosion Science & Engineering
 IIT Bombay
 Mumbai - 400 076, India

10 Years Coating Warranty Letter

10-YEARS COATING WARRANTY

*This warranty is issued by UMIYA FLEXIFOAM PVT. LTD. (Hereinafter referred to us "**FLEXIBOND**") to the customer identified in this Certificate and applies to the finish on flat sheet and coil products. (Hereinafter referred to us the "Products") with PVDF based coating consisting of KYNAR 500@ or Hylar 5000@resin. (Hereinafter referred to us the "Coating"), if erected anywhere within the India.*

1. **Flexibond** warrants that during the Ten (10) year warranty period. Coating will not peel, blister, flake, chip, check or crack. (except for such slight crazing or cracking as may occur on lightly roll-formed edges or break bends at the time of roll forming or other fabrication or pre-painted sheet or coil and which is accepted in the industry as standard.) **Flexibond** warrants that, when installed vertically or no more than eighty six (86') from the vertical the coating will not chalk in-excess of a numerical rating of 8 for Ten years when measured in accordance with the standard procedures specified in ASTM D-659-80. Notwithstanding the foregoing, Flexibond makes no warranty against chalking for any embossed products which are installed 46' or more from the vertical. Flexibond warrants that, when installed vertically or not more than eighty-six (86') from the vertical. The coating will not fade or change color for twenty years in excess of 5 NBS units with measured according to ASTM C-2244-79 on exposed paint surfaces which have been cleaned of external deposit and chalk. Notwithstanding the foregoing Flexibond makes to warranty against fading or color change for any embossed products which are installed 46" or more from the vertical.
2. This warranty does not cover damage or deterioration caused by any occurrence beyond **Flexibond's** control, including, without, limitation, fire, vanaolism, radiation, foreign substances in the atmosphere (such as those contaminated with chemical fumes) , intermittent of continual submersion in water – or any other liquid or solid materials , damage from wind deliberate damage, improper handling by erectors, fabrication of flat sheet or coil, mechanical damage to any other physical damage.
3. This warranty will apply to products on a surface less than 1000 feet from salt water (coast or canal) only if maintenance was performed by the building owner including an annual water (fresh tap water) rinse in accountancy with AAMA 610-02(2002). The products must not be cleaned with abrasive or chemical cleaners.
4. This warranty does not cover damage or deterioration resulting from moisture contamination or entrapment or any other contamination detrimental to the coating which occurs prior to installation of the Products. Including, without limitation, contamination occurring during shipment of the products to the jobsite or during storage at the jobsite. This warranty does not cover failure due to corrosion of substrate. Other **Flexibond** warranties address corrosion issues.
5. Uniform fading and color change of the Products are excluded from this Warranty, since exposure to sunlight and extremes of weather and temperature will cause any colored surface to gradually fade, darken, chalk, or acquire surface accumulation of dirt or stains. The severity of these conditions depends on the air quality the geographic location of the property and other local conditions over which Flexibond has no control Non-Uniform fading and color changes are not covered by this warranty if they result from the coated surfaces being unequally exposed to sunlight and the elements.

10 Years Coating Warranty Letter

6. All Warranty work will be performed by **Flexibond** or by a Company, dealer, contractor, applicator or distributor selected by Flexibond. Since there may be a color valance between the replacement to repainted Products and the originally installed products due to normal weathering (i.e. exposure to sunlight and extremes of temperature and weather) of the originally installed products, this condition shall not be indicative of a defect.
7. Notwithstanding anything to the contrary contained herein **Flexibond** liability shall not exceed the lesser of the following (i) the customers' liability directly attributable to a breach warranty, or (ii) the refinishing or replacement of the failed coated material or at Flexibond option refund of the purchase price. Flexibond shall not be liable for injury to property other than the flat sheet or/ or coil products coated with fluoridation paints systems in the condition and as purchased by customers from Flexibond. Flexibond in all instances shall have the sole and exclusive right to determine whether or not refinishing or replacement of the failed arrears is required and to fulfill its obligation under the Warranty reserves the right to negotiate and approve any final contract let for refinishing and replacement as the case may be.
8. Claims under warranty must be presented in writing during the warranty period and within thirty (30) days after customers becomes aware that any warranted condition has occurred. Time is of the essence and failure to give notice within the specified time shall discharge **Flexibond** from any obligations under this warranty. **Flexibond** must be given a reasonable opportunity to do an on-site inspection to determine if there is a coating failure.
9. Any Controversy or claim arising out of or related to this warranty of the branch thereof shall be brought before a court of competent jurisdictions in Ahmedabad, Gujarat under the substantive and procedural laws of the state of Gujarat
10. This warranty is given as the exclusive warranty and exclusive remedy and no other warranties, either express or implied including but not limited to warranties of merchantability or fitness for a particular purpose or purposes are made and such warranties are expressly disclaimed. There are no warranties which extend beyond the description contained in this instrument customer waives the benefit of any rule that the disclaimers of warranty shall be construed against the seller. And agrees that the disclaimers in this instrument shall be construed liberally in favor of **Flexibond**. **Flexibond** shall not be liable for any special incidental or consequential damages **Flexibond** hereby disclaims all liabilities for damages based on theories of negligence and strict product liability. This warranty is extended to customer alone and no others, is non-transferable and non-assignable, and may not be enlarged in its scope by any representative sales person, agent or other employee or **Flexibond**. The customer shall not permit any one to claim or imply that this warranty extends or can be "passed through" to anyone other than the customers. This provision is a material term of this warranty and its violation or breach by customers or any of customer's agents or representatives shall void and cancel. This warranty for all purpose.

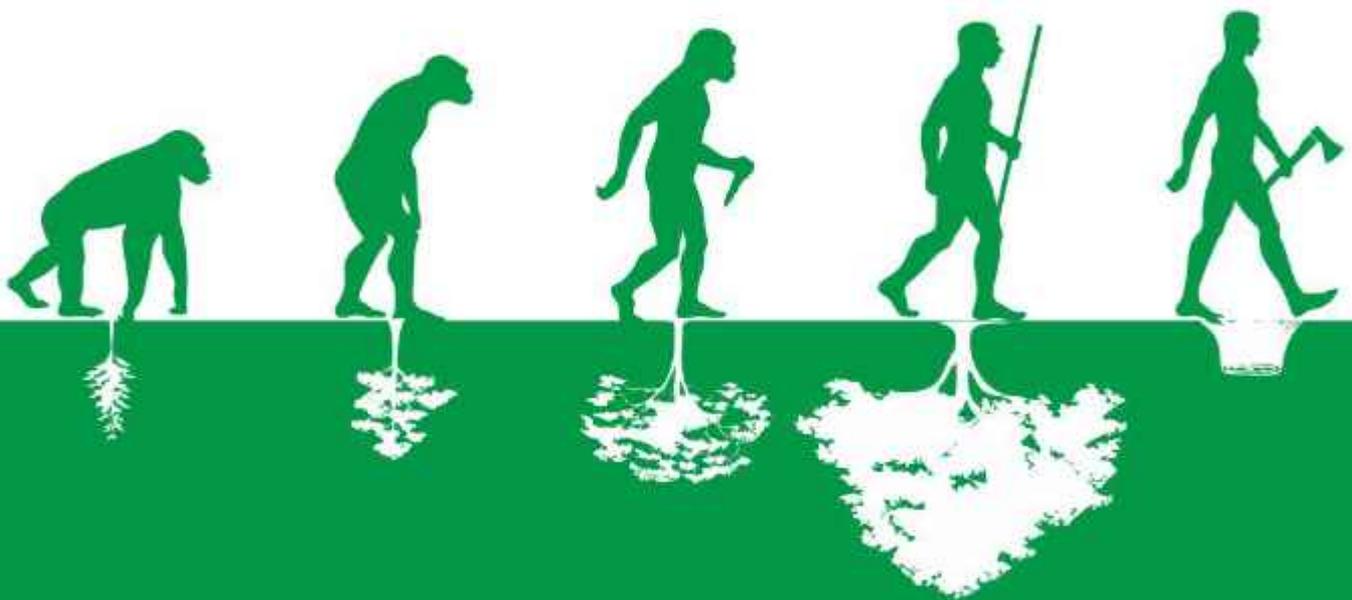
Yours truly,

For, Umiya Flexifoam Pvt. Ltd

P. M. Patel.

Authorized Signatory

Where are we heading ?



Forests are the only liveable environment for a variety of species around the earth. A new study published that the planet has **3.04 trillion** trees. The research says **15.3 billion** trees are **chopped** down every year. The main cause of this is extending human habitat & also used as a key resource by humanity.

To overcome this tremendous destruction of natural habitat, the innovation has led and gave birth to the PVC/WPC foam boards. Wood plastic composite board is the product of a new generation substituting the Plywood and MDF for various purposes based on its durability, cost, quality & flexibility parameters. WPC Foam Board is the most inclusive product from the range of WPC/PVC series of FLEXIBOND.

The advanced industrial standard is used to produce FLEXIBOND'S WPC Foam Boards accordingly; perfect in dimensions, remarkably sturdy and accurately finished. Products offered by FLEXIBOND are thoroughly tested & inspected by our Quality Control team at all stages of production for assuring fault free product delivery to our consumers.

WPC boards can be immediately used due to its remarkably finished & its mechanical solidified surface properties, in contrast, to even high-pressure laminate applied surfaces are outstanding. WPC foam boards can be printed directly & UV coated for the surface to become more appealing.

PVC / WPC FOAM BOARD



FLEXIBOND understands the importance of balancing the natural resources that mankind has utilized in the building of things often at the expense of the biosphere as a whole. Our idea consists of being an important contributor in providing a responsible alternative for the mankind to continue its progress without hurting the mother nature. PVC/WPC foam board is one of the finest attempts to move one step ahead in the direction of our vision.

PVC in the form of a powder is the main raw material for the manufacturing process. PVC is generally not processed in its virgin form and requires compounding with a number of additives to enable easy processing. The control of the various properties (by compounding with additives) gives a unique versatile advantage to the material and allows an unlimited array of application uses. Typically PVC additives are used for enhancing properties such as flexibility, weather ability, cost reduction, surface hardness, color, density impact performance, service temperature etc.

Company has optimized their range of PVC formulations to obtain the best combination of physical properties and cost effectiveness. The foaming process preferred by company is a chemical blowing agent activated during heat processing.

When materials of plant origin like wood flour is used as a compounding filler then the sheet manufactured is called WPC (Wood Plastic Composites) Foam Boards.

Applications

Furniture Industry

- Interior Furniture • Farm-house Furniture • Kitchen
- Crockery Cupboards • Bed & Wardrobes • Bathroom
- Hospital Furniture • Office Furniture • Camp sites and many more...

Signage & Display Panels

- Internal Wall Hung Displays • Digitally Printed Posters
- Vinyl Laminated Pictures

False Ceilings

- Moulded Panels • Flat Panels
- Fabricated Panels

Decorative Panels

- Exhibition Shell Stands • Wall Paneling

Wall Cladding & Partitions

- Decorative Cladding • Temporary Partitioning
- Cubicles



Feature & Benefits



Comparison of Flexibond Pvc/wpc Foam Board with Wood Products

	FLEXIBOND	PLYWOOD	MDF	PARTICLE BOARD
Water & Moisture Proof	✓	✗	✗	✗
Termite & Pest Proof	✓	✗	✗	✗
Boiling Water Proof	For longer time	For lesser time as compared	For lesser time as compared	For lesser time as compared
No Shrinking or Swelling	✓	✗	✗	✗
Fire Retardant	✓	✗	✗	✗
Borer Proof	✓	✗	✗	✗
Corrosion Resistance	✓	✓	✓	✓
Light Weight	✓	✓	✓	✓
Splinter Free	✓	✗	✗	✗
Maintenance Free	✓	✗	✗	✗
Environment Friendly	✓	✗	✗	✗
Smooth Surface	Much more smoother	Less smoother	Less smoother	Less smoother
Outdoor Adaptability	✓	✗	✗	✗
Gluing & Lamination	✓	✓	✓	✓
Weather & Ageing Resistant	✓	✗	✗	✗
High Screw & Nail Holding Capacity	✓	✓	✓	✓
Sawing & Cutting	✓	✓	✓	✓
Use Traditional Tools	✓	✓	✓	✓

Standard Dimensions

Length :
1220 mm

Width :
2440 mm

Thickness :
3 mm to 35 mm

(Special Length & Width available on request)



Technical Details

Property	Test method (ASTM D)	Condition	Value (Based on 15 mm)	Unit
Special Gravity	ASTM D 792		0.6	g/cm ³
Water Absorption	ASTM D 570	76.2 mm x 25.4 mm; Drying : 50°C, 24 hrs; Immersion : 25°C, 24 hrs	0.37	%
Shore D Hardness	ASTM D 2240	Type D	70	D
Mechanical Fastener Holding Capacity	ASTM D 1037		170	kg
Screw Holding Capacity	With 1/6 wood screw plate to plate		40	kg
Screw Bonding Capacity	With 1/6 wood screw plate to plate		24	kg
Tensile Strength at Yield	ASTM D 638	Specimen : Type I, Speed : 10 mm/min	10 MPa	1450 psi
Elongation Break		Specimen : Type I, Speed : 10 mm/min	8	%
Tensile Modulus		Specimen : Type V, Speed : 1 mm/min	700	MPa
Flexural Strength	ASTM D 790	127 mm x 12.91 mm x 3.77 mm	20 MPa	MPa
Flexural Modulus		Speed : 1.6 mm/min Span : 59 mm	1210 MPa	2900 psi
Impact Strength	ASTM D 6110-06	Width : 6.65 mm; Depth: 12.86 mm; Heating Rate : 120° C/H; Load: 0.455 MPa	25	175450 psi
Dielectric Strength	ASTM D 149		10	J/m
Heat Deflection Temperature	ASTM D 648-07 Method B	Width : 6.65 mm; Depth: 13.07 mm; Heating Rate : 120° C/H; Load: 1.82 MPa	61.4	kv/mm
		Width : 6.65 mm; Depth: 12.86 mm; Heating Rate : 120° C/H; Load: 0.455 MPa	70.9	°C
Heat Distortion Temp. (Under load at 246 psi)	ASTM D 648		120	°C
Co-efficient of Linear Expansion	ASTM D 696		2.9 x 10 ⁻⁵	°C
Thermal Conductivity	ASTM D 177		0.06	in' in ⁻¹ F
Flamability	GB/T 8624-2006 B1		Passed	W/m ² K
Horizontal Burning	ASTM F635-06	Specimen : 127 mm x 12.6 mm x 12.74 mm	0	mm/min

Test Certificate

CIPA / QF / 5.10.1

**सेन्ट्रल इंस्टिट्यूट ऑफ प्लास्टिक्स
इंजीनियरिंग एण्ड टेक्नोलॉजी**
(रसायन एवं उर्वरक मंत्रालय, भारत सरकार)
630, फेज 4, जीआईडीसी, वटवा, अहमदाबाद-382 445
दुरावाच : 079-25835219, 25834402 फेक्स : 40083905-06
E-mail : cipetahmd@gmail.com
Website : www.cipet.gov.in



**CENTRAL INSTITUTE OF PLASTICS
ENGINEERING AND TECHNOLOGY**

(Ministry of Chemicals & Fertilizers, Government of India)
630, Ph. IV, GI/DC, Vatva, Ahmedabad - 382 445
Ph. : 079-25835219, 25834402 Fax : 40083905-06
E-mail : cipetahmd@gmail.com
Website : www.cipet.gov.in

PLASTICS TESTING CENTRE

PVC / WPC FOAM BOARD

Test Report No.: 2845
Date : 03.10.2013

**PART C
TEST RESULTS**

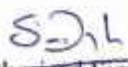
Sr. No.	Property	Test Method	Unit	Results Obtained
1	Density	ASTM D 3574	Kg/m ³	701
2	Charpy Impact Strength	ASTM D 6110	KJ/m ²	1.93
3	Flexural Strength	ASTM D 790	Kg/cm ²	200
4	Heat Deflection Temperature @ 1.8 MPa	ASTM D 648	°C	71.1
5	Flammability - UL	UL - 94	--	V ₀
6	Surface Resistivity	ASTM D 257	Ω	10 ¹⁴
7	Volume Resistivity	ASTM D 257	Ω cm	3.9 x 10 ¹³
8	Vicat Softening Temperature	ASTM D 1525	°C	73.7
9	Water Absorption	ASTM D 570	%	2.65
10	/Tensile strength	ASTM D 638	Kg/cm ²	79.4
	Elongation at Break		%	10
11	Hardness - Shore D	ASTM D 2240	--	55
12	Compressive Strength @ 10% deformation	ASTM D 695	Kg/cm ²	101

PART D

REMARKS : Nil

NOTE

- 1 The results related only to the items tested
- 2 The report shall not be reproduced in full/part without written approval of the laboratory


Authorised Signatory


Authorised Signatory

2 of 2

Test Certificate

सेन्ट्रल इंस्टिट्यूट ऑफ प्लास्टिक्स
इंजीनियरिंग एण्ड टेक्नोलॉजी
(रसायन एवं उर्वरक मंत्रालय, भारत सरकार)
630, फेज 4, जीआइडीसी, वाटवा, अहमदाबाद-382 445
दुर्भाष : 079-25835219, 25834402 फेक्स : 40083905-06
E-mail : cipetahmd@gmail.com
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CENTRAL INSTITUTE OF PLASTICS ENGINEERING AND TECHNOLOGY

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E-mail : cipetahmd@gmail.com
Website : www.cipet.gov.in

PLASTICS TESTING CENTRE

Series : C

TEST CERTIFICATE

S.L. No. 3357

Issued to :

M/s. Umiya Carbon Pvt. Ltd.
Plot No. 16, Ashwamegh Indl. Estate,
Changodar, Ta. Sanand,
Dist. Ahmedabad - 382 213

Test Report No. :

Dated : 2845

Your Ref. No. : 03.10.2013

Dated : Letter

Test Report as per Standard :

As Per Part C

04.09.2013

PART A PARTICULARS OF SAMPLE SUBMITTED

- | | | |
|--|---|-----------------------|
| a) Name of Sample (as stated by the party) | : | SPVC / WPC FOAM BOARD |
| b) Grade / variety / type / size / class | : | NA |
| c) Declared value, if any | : | NA |
| d) Code No. | : | NA |
| e) Batch No. and Date of Manufacture | : | NA |
| f) Quantity | : | 2 Nos. |
| g) Mode of Packing | : | Loose |
| h) Date of Receipt | : | 04.09.2013 |
| i) Date of Completion | : | 01.10.2013 |
| j) Sealed or not | : | NA |
| k) Any other information | : | NA |

PART B SUPPLEMENTARY INFORMATION

- | | | |
|---|---|-------------------------------|
| a) Reference to sampling procedure | : | Samples Supplied by the Party |
| b) Supporting documents for the measurement taken and result derived | : | As per Part C |
| c) Deviation from the test method as prescribed in relevant work Instructions | : | As per Standard |

1 of 2

S.Dh

[Signature]

PVC / WPC SOLID DOORS

PVC/WPC Doors are complete replacement of wooden doors as it comes with all the inherent properties of the material. The most attractive features of this product are

- Light weight structure and high tensile strength.
- Better machinability.
- Moisture proof and corrosion resistant
- Non toxic and borer free
- High screw holding capacity.
- Can be processed like natural wood, MDF, plywood on any processing machine.
- Easy to cut and saves tooling life almost 30% than MDF and particle boards.

Surface Decoration

- Can be treated with HPL Lamination
- PU coating and UV coating can be done
- Best routed with CNC router
- Printing can be done with High Resolution
- Can be applied with PVC foil
- PVC edge bending can be applied nicely



Standard Dimensions

Height	72"	75"	78"	81"	84"					
Width	26"	28"	30"	32"	34"	36"	38"	40"	42"	48"
Thickness	25 mm 28 mm 30 mm									

Special Thickness from 25 to 50mm & Sizes Available on Request.

Comparison of Flexibond PVC/WPC with Wood Products

	FLEXIBOND	Plywood	MDF	Particle Board
Water & Moisture Proof	✓	✗	✗	✗
Termite & Pest Proof	✓	✗	✗	✗
Boiling Water Proof	For longer time	For lesser time as compared	For lesser time as compared	For lesser time as compared
No Shrinking or Swelling	✓	✗	✗	✗
Fire Retardant	✓	✗	✗	✗
Borer Proof	✓	✗	✗	✗
Corrosion Resistance	✓	✓	✓	✓
Light Weight	✓	✓	✓	✓
Splinter Free	✓	✗	✗	✗
Maintenance Free	✓	✗	✗	✗
Environment Friendly	✓	✗	✗	✗
Smooth Surface	Much more smoother	Less smoother	Less smoother	Less smoother
Outdoor Adaptability	✓	✗	✗	✗
Gluing & Lamination	✓	✓	✓	✓
Weather & Ageing Resistant	✓	✗	✗	✗
High Screw & Nail Holding Capacity	✓	✓	✓	✓
Sawing & Cutting	✓	✓	✓	✓
Use Traditional Tools	✓	✓	✓	✓

WPC SOLID DOOR FRAME

- FLEXIBOND WPC door frames are manufactured by cutting edge extrusion process.
- WPC solid door frame looks like wood having high screw holding capacity.
- WPC solid door frame is especially used in semi urban or rural area .
- WPC door frame can be fit during bricks work and also fit by screw/anchor bolt after completion of wall plaster.

Target Market

- Residential Projects • Commercial Projects
- Govt. Projects • Hotel Projects
- Institute Projects • Hospital Projects
- End Users • Builders
- Contractors • Door Frame Makers



WPC Frame Structure



Features

- Termite proof • 100% water proof & moisture proof • No shrinkage • No bending & crack issue • Fire retardant
- Durable • Ready to paint in any color & polish • High gloss, matt, satin & P.U. paint surface be prepared with less material consumption

Availability

- The main point of difference (pod) for our door frames is that our material density is more than 900 kg/cubic meter.
- We provide three color door frames such as wooden, white & gray. • Standard sizes which are ready to fix are as below. 1) 3"x2", 4"x2", 4"x2.5", 5"x2.5" | 2) 5"x2.5", 6"x2.5" in double rebates.
- We can provide customize length for bulk inquiries.

Draw Backs Associated with other Door Frames

No.	Particulars	Drawbacks
1	Wooden door frame	Not water proof, termite, maintenance
2	Aluminum door frame	Not stable, poor screw holding, maintenance
3	Iron door frame	Screws, rusting, low life fixing problem
4	Hollow PVC door frame	Un stable for heavy doors, low screw holding
5	UPVC door frame	High cost, unstable
6	Cemented door frame	Fixing problem, brittle, heavy not water proof

Comparison of WPC & Wood Door Frame

No.	Characteristics	WPC	WOOD
1	Moisture resistance	100% waterproof	Water absorptive
2	Rot resistance	Antisepsis	Rot except special treating
3	Split resistance	Not cracked	Cracked by weathering effect
4	Distortion resistance	Almost no contraction or expansion	Distorting effected by change of moisture and temperature
5	UV resistance	High grade UV resistance	Easily effected by UV
6	Fading resistance	Almost no	Easy to fade
7	Outdoor resistance	Great	Only few of treated wood adaptive
8	No need resistance	No need	Need paint periodically
9	Durable / longevity	> 8-15 years	<3 years
10	Various configuration	Extruded via various mold	Simplex
11	Environment effect	100% recyclable	Consume woods

Technical Data Sheet

No.	Parameter	Value	Advantage
1	Density	0.8~1g/cm ³	Little deformation, strong anti-aging
2	Flexibility	20~30MPa	Low brittleness, not easily broken
3	CTE	2~5*10 ⁻⁵ /c	Non-deformation
4	Moisture absorption	0.3~3%/24h	Not easy to mold, not wrap
5	Termite - proof	Mass decrement :0.4 % yr., dead bugs rate:20% yr.	Not easy to mold, not wrap
6	Combustibility	25~26(B)	High flame retardancy
7	Colorfastness	3~4 Levels/yr. ΔE (2~3)	Not easy oxidation fade

Test Certificate

CIPA / QF / 5.10.1

सेन्ट्रल इंस्टिट्यूट ऑफ प्लास्टिक्स
इंजीनियरिंग एण्ड टेक्नोलॉजी
(स्थापन एवं उर्वरक मंत्रालय, भारत सरकार)

630, फेज 4, जीआईडीसी, वटवा, अहमदाबाद-382 445.
दूरभाष: 079-40103900 / 40103923 फैक्स: 40083905
ईमेल: cipetahmd@gmail.com
वेबसाइट: www.cipet.gov.in



**CENTRAL INSTITUTE OF PLASTICS
ENGINEERING AND TECHNOLOGY**

(Ministry of Chemicals & Fertilizers, Govt. of India)

630, Phase IV, GIDC, Vatva, Ahmedabad - 382 445.
Tele. : 079-40103900 / 40103923 Fax: 40083905
E-mail: cipetahmd@gmail.com
Website: www.cipet.gov.in

PLASTICS TESTING CENTRE

Wood Polymer Composite Frame (WPC)

Test Report No.: 6823
Dated : 09.04.2019

PART C TEST RESULTS

Sr. No.	Test	Test Method	Unit	Results Obtained
1	Hardness - Shore 'D'	ASTM D 2240	---	75
2	Density	IS 2380 Pt.3	Kg/m ³	966
3	Screw Withdrawal Strength Edge Face	IS 2380 P.14	N	2014 2109
4	Water Absorption	ASTM D 570	%	4.3
5	Flammability	UL 94	--	Match with V ₀

PART D

REMARKS : Nil

- NOTE
- 1 The results related only to the items tested.
 - 2 The report shall not be reproduced in full/part without written approval of the laboratory.


Authorized Signatory


Authorized Signatory
2 of 2

Test Certificate

CIPA / QF / 5.10.1

सेन्ट्रल इंस्टिट्यूट ऑफ प्लास्टिक्स
इंजीनियरिंग एण्ड टेक्नोलॉजी

(स्वायत्त एवं सर्वोच्च संबालय, भारत सरकार)

630, फेज 4, जीआईडीसी, वटवा, अहमदाबाद-382 445.
दुरभाष: 079-40103900 / 40103923 फेक्स: 40083905
ईमेल: cipetahmd@gmail.com
वेबसाइट: www.cipet.gov.in



**CENTRAL INSTITUTE OF PLASTICS
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(Ministry of Chemicals & Fertilizers, Govt. of India)

630, Phase IV, GIDC, Valva, Ahmedabad - 382 445.
Tele. : 079-40103900 / 40103923 Fax: 40083905

E.mail: cipetahmd@gmail.com

Website: www.cipet.gov.in



PLASTICS TESTING CENTRE

Series: G

TEST CERTIFICATE

S.L. No.

9837

Issued to: **Uniya Carbon Pvt. Ltd.**
Plot No.16, Ashwamegh Industrial Estate,
Changodar - 382 213,
Ta : Sanand,
Dist : Ahmedabad (Gujarat)

Test Report No. : 6823

Dated : 09.04.2019

Your Ref. No. : Letter

Dated : 07.03.2019

Test Report as per Standard: As per part C

PART A

PARTICULARS OF SAMPLE SUBMITTED

- a) Name of Sample (as stated by party) : **Wood Polymer Composite Frame (WPC)**
Door Frame Size : 5 x 2.5
- b) Grade / variety / type / size / class :
Door Frame Size : 4 x 2.5
Door Frame Size : 4 x 2
Door Frame Size : 3 x 2
- c) Declared value, if any : NA
- d) Code No. : NA
- e) Batch No. and Date of Manufacture : NA
- f) Quantity : 04 Nos
- g) Mode of Packing : Packed in bag
- h) Date of Receipt : 12.03.2019
- i) Date of Completion : 09.04.2019
- j) Sealed or not : NA
- k) Any other information : NA

PART B

SUPPLEMENTARY INFORMATION

- a) Reference to sampling procedure : Samples Supplied by the Party
- b) Supporting documents for the measurement taken and result derived : As per Part C
- c) Deviation from the test method as prescribed in relevant work Instructions, if any : Not Applicable

1 of 2

Signature

Signature
21/4/19



Your furniture should look sharp and cutting edge. That is one of the prime motivations for us to develop something new and unique that eliminates the shabby looking edges of your kitchen cabinets, wardrobes, beds, and other furniture.

Flexibond PVC laminates is our 90° bendable laminate which provides an aesthetic and perfect finished look to your decor. The edgy joints that hamper the product's final look are a thing of the past now, with Flexibond PVC laminates giving wings to innovation.

The new advanced technology has enabled us to come up with flexible PVC laminates. Flexibond lifts the barriers to the possibilities of conventional laminates and allows the designers to experiment and improvise by cashing on the property of its flexibility.



Features & Benefits



ECO
FRIENDLY



900
BENDABLE



FIRE
RETARDANT



TERMITE
PROOF



WATER
PROOF



LONG
LASTING



LEAD
FREE



WARRANTY





Adhesive |

The great adhesive compatibility of this product enables it to be applied using probond on the plywood surfaces and heat X on the PVC surfaces. The laminates can also be applied onto surfaces using the laminate bonding tape readily available across markets.



Lamination |

The lamination is a simple process if carried out with precision. To get a perfect lamination, make sure the substrate surface is free of any dust particles, wax, plywood chips and other elements that might disturb the bonding and lamination process. Application of external coatings like PUbase, lamination wax and others can hamper the quality of our product and hence it is not recommended to use them.



Storage and Maintenance |

The storage place should have a temperature range of 22° to 32°C and relative humidity of 45.55%. The stored materials should not be cleaned with any cleaning agents like acids, alkalis, etc. Direct exposure to sunlight should be avoided to maintain the quality of the product.



Warranty |

We believe in perfection and ensure our products are free from any manufacturing defects and issues. You should inspect the products prior to their installation, and any liability should be the extent of the cost of the product itself.



Cutting and Machining |

Professionals should carry out the cutting process with the help of proper tools to avoid any quality and measurements issues. After cutting the laminates into desired sizes with adequately sharp blades, it is important to smoothly file the edges.

Step-1



Cut Your PVC Laminate Sheet According To The Size

Step-2



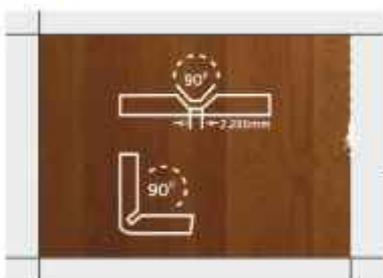
Check The Size By Placing The Plywood Or WPC Board On It.

Step-3



Make Mark For V-GROOVE Cutting

Step-4



Make Groove With V-groove Cutter That Are Easily Available In The Market

Step-5



Now Cut the Corners With The Help Of A Pair Of Scissors.

Step-6



Carefully Bend The PVC Laminate At 90° With The V-Groove Mark

Step-7



Now Stick It On Plywood Or WPC With Best Available PVC To Wood Adhesives In the Market

To bend the sheet upto 90° it is advisable to make use of V-Groove Cutter with a groove of 0.4 mm to 0.6mm.



Acrylic Laminates are a premium surface solution that combines exceptional durability with aesthetic appeal. These laminates are designed to offer a glossy, mirror-like finish that enhances the overall look of any space.

Crafted from high-quality acrylic material, they are resistant to scratches, stains, and UV rays, making them ideal for both residential and commercial applications. Acrylic laminates are available in a variety of vibrant colors, textures, and designs, offering flexibility for a wide range of interior styles.

These laminates are perfect for use on furniture surfaces such as kitchen cabinets, wardrobes, and display units, providing an elegant and modern touch. Their smooth, reflective surface makes them easy to clean and maintain, ensuring long-lasting beauty and functionality.

Acrylic laminates are an excellent choice for those looking to add a sleek, contemporary look to their interior spaces while benefiting from a durable and easy-to-maintain material.

Acrylic Laminates

Colour Options : More than 75

Series Options : 8 Different Series

Exclusive Series : Matt Series

Hardness Coating : 6H (Approved)



- Most preferred laminates in current trend
- Around 80 colours in 8 different series
- FLEXIBOND Solid Matt series is Unique and Exclusive across indian market



SOLID HIGH GLOSS



SOLID METALLIC



SOLID SPARKLE



MARBLE PRINT



SOLID MATT



MARBLE LASER



WOOD HIGH GLOSS



MIRROR

FEATURES



ANTI
SCRATCH



ANTI
FINGER PRINT



100%
PURE
ACRYLIC



ANTI
YELLOW



WATER
RESISTANT



TERMITE
FREE



Soffit Ceiling and Louver Panels are designed to elevate both the look and functionality of indoor and outdoor spaces. These panels are versatile architectural solutions crafted to enhance aesthetics, ventilation, and energy efficiency.

Soffit Ceiling Panels protect and finish the undersides of roof overhangs, balconies, and patios. Made from durable materials like aluminum or composite, they offer a clean, modern appearance while guarding against moisture, pests, and weather exposure. Soffit panels are ideal for residential and commercial projects, especially in areas where overhangs need an aesthetic finish.

Louver Panels are designed for airflow, privacy, and light control, with materials like aluminum and wood-plastic composites that work beautifully indoors or outdoors. Louvers help reduce glare, increase energy efficiency, and add a sleek design element to buildings. They're commonly used on exterior façades, interior partitions, and as decorative features.

Together, Soffit Ceiling and Louver Panels add style, efficiency, and functional benefits to any architectural design, making them valuable additions to a sophisticated product basket.

Soffit Ceiling

Soffit Ceiling Grade : Interior & Exterior

Interior Soffit Collection : Nearly 20 Colour Options

Exterior Soffit Collection : 4 Colour Options

Soffit Design : 12" & 9"

Louvers Panels

Louvers Collection : 30+ Colour Options

Louvers Design : 9" & 6"



What Are Soffit Ceiling & Louvers Panels

A remarkable combination of nature and technology, that offers a highly Superior, Resilient and Cost Effective alternate to real wood Paneling. Flexibond PVC Soffit Ceiling & Louvers Panels are pre finished, ready to Install, completely Water & Termite Proof and durable enough to last a lifetime.

Wide Applications

Fluted Panels can be used to beautify all Interior walls and Ceilings in homes, offices, hotels, healthcare, education institutes, health clubs, recreation facilities, etc without the fear of deformation, breakage, discoloration or going bad.

Lifetime Solution For Damp Walls

The unique composition and high polymer content of our panels makes them 100% water proof making them the most ideal solution for damp walls and ceilings.

Benifits



Wood Look



Unbreakable



Quick Installation



Water proof



Mold & Termite Resistant



Eco Friendly



Weatherproof

Everlasting

Built tough to stand the test of time, you can be assured of our quality and have a complete peace of mind with our genuine 15 Years product warranty.



PRODUCTION CAPABILITIES

The usage of eco-friendly operations and production processes has always been at the utmost priority of the company. With this, we always strive to produce the right products and provide our customers with a prompt, honest, hassle-free and professional service.

Our dedicated R&D team is continuously researching new technologies and developing newer and better production techniques so that we are able to offer newer products which are eco-friendly for our customers. Which can in whole meet the ever-changing demands of the Construction Industry. The company has equipped with latest machineries and cutting edge technologies from Germany as well as china.

The company is equipped with an in-house laboratory. It can conduct the tests for fire, color, hardness, adhesion, moisture, and many other parameters. Few of this equipment are certified by ISO and well known standard-setting organizations. This kind of accurate and precise testing equipment ensure the best quality products

Company has **two** ACP manufacturing plants spread over the area of **70,000 Sq. Meter**. These plants have the capacity of **25 Mill. Sq. Ft.** production per annum with the help of **three** production lines.

- Production Unit of PVC / WPC / Acrylic surface is spread over **1.75 lac** square feet.
- Flexibond's per day production capacity of PVC / WPC Foam Board IS **30 tonnes**.
- While WPC doors are produced on **20 tonnes/ day** scale. Not only WPC solid doors but also WPC solid doors frames are manufactured around **30 tonnes/ day**.
- We, Flexibond are feeling proud to be the **1st Indian manufacturer** of Acrylic Solid Surface & our per day production capacity is **15000 sq. ft.**

PRODUCTION FACILITIES



PRODUCTION FACILITIES



PRODUCTION FACILITIES



GOVERNMENT APPROVAL: MES

Headquarters
Chief Engineer
Southern Command
Pune - 411 001

278
CESC/Approval Letter/28 /CMPT Cell

57 Jan 2022

All CEs Zones

APPROVAL OF CONSTRUCTION MATERIAL
PRODUCTS AND TECHNOLOGY FOR USE IN MES
(NEW APPROVAL)

1. References:-

- (a) E-in-C's Branch letter No A/37696/12-114/Pol/EZW (PPC) dated 15 Jun 2021 & Policy No 09/2021.
- (b) Standard Operating Procedure (SOP) for approval of construction material, products and technology (CMPT) for use in MES works in Southern Command AOR.

2. The CMPT Committee and competent authority have accorded provisional approval for two years for following products. The products will be added to the, "BOO for preparation of list of products along with their recommended brands for inclusion in contracts" in Apps (Items Provisionally Approved for two years) at ser No as shown against them :-

S. No	Name of Product	Brand	CM/L No	Gp	Listed at Sl No of ABOO 2021-22
(a)	Aluminium Composite Panel/Materials	Flexibond	Trade Mark No 1365279	II	New Item

3. The approval does not absolve the executives / supervisory staff from their responsibility for using correct quality product. Usage of product is subject to quality and performance of the product where warranty is not given. However if quality and performance is not found satisfactory in product having warranty their usage will be stopped immediately and will not be used in contracts where their name figures- Mandatory checks about the quality will be carried out as laid down and the records of the same will be maintained.

4. A brief of the product along with a copy of the literature / specifications / rate list /samples etc can be obtained directly from the firm at the address given below.

5. Further continuation of the product will be decided by the annual board of officers for carrying out review of the existing "BOO for Preparation of List of Products along with their Recommended Brands for Inclusion in Contracts".

(Arvind Parashar)
SE
OIC & Secy CMPT
for Chief Engineer

Copy to :-

HQ Southern Command Q(Wks)	-	For info please
M/s Umiya Flexifoam Pvt Ltd Plot No 40/A, Panchratna Industrial Estate Changodar - 382 213, Ahmedabad, Gujarat Contact Person -Priyanshu, AGM Mob 9909 425 975	-	Please submit half yearly feedback on sales/supply of approved items to MES Contractors/Formations/units

GOVERNMENT APPROVAL: HPCL



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

(भारत सरकार का उपक्रम) रजिस्टर्ड ऑफिस : 17, जमशेदजी टाटा रोड, मुंबई - 400 020.

HINDUSTAN PETROLEUM CORPORATION LIMITED

(A GOVERNMENT OF INDIA ENTERPRISE) REGISTERED OFFICE : 17, JAMSHEDJI TATA ROAD, MUMBAI - 400 020.

8, शूरजी वल्लभदास मार्ग, पोस्ट बॉक्स नं. 155, मुंबई - 400 001. दूरभाष - 2263 7000 • फॅक्स - 022-2261 1822 • तार : हिन्दपेटऑफ
8, Shoorji Vallabhdas Marg, P. O. Box No. 155, Mumbai - 400 001. Tel. : 2263 7000 • Fax : 022-2261 1822 • Telegram : Hindpetoof
e-mail : mktghqo@hpcl.co.in

RET/DHVA/RE-ACM

Date: 18th Jan 2023

Umiya Flexifoam Pvt Ltd,
Plot No 40/40A, Pancharatna Ind Estate,
Changodar,
Ahmedabad 383213

Sub: Enlistment of Suppliers/Manufacturers for supply of ACM (Aluminium Composite Material) to Corporation appointed converters for RVI (Retail Visual identity) works,

Ref: EO/Tender 21000587 HC 10157

Ref: Provisional Approval Letter LOA RET/DHVA/RE-ACM date: 07/12/2022 and MoA dated 17/01/2023.

Sir,

We are pleased to inform you that you have been enlisted, as one of the authorized vendors for supply of "Aluminium Composite Material (ACM)" to HPCL appointed Converters for RVI Works Based on technical evaluation, factory visit, sampling, and subsequent test report of samples from IIT, this approval for under the brand name "FLEXIBOND" enlistment of material is factory specific, as per following details:

Name of Vendor : Umiya Flexifoam Pvt Ltd,

Details of Manufacturing facility approved for supply of material

Plot No 40/A, Pancharatna Industrial Estate, Changogodar

Ahmedabad, (Gujarat),

Approved for material : ACM (Aluminium Composite Material)

The ACM material is to be supplied from above approved factory only and strictly in compliance with technical specifications as mentioned in the tender documents. In case, if any ACM manufacturer desires to change or changes its manufacturing location, prior approval shall have to be taken from HPCL.

GOVERNMENT APPROVAL: HPCL

It is re-iterated that you shall provide a warranty of 10 (Ten) years against any defects, to the converters, along with the batch supply of ACM (Including MTC of ACM RO-wise), in line with terms and conditions of the tender.

This enlistment shall remain valid as per the requirements of HPCL & further HPCL reserves the right to de-list any vendor from the approved make, based on not meeting the requisite quality standards at any point of time.

This letter is a mere confirmation of your enlistment under Approved makes list for RVI (Retail Visual Identity) works and does not entail any confirmed orders or commitment from HPCL.

By a copy of this letter, we are informing all our Zonal/Regional Offices for inclusion in the approved makes list of ACM material.

Thanking you and assuring you of our best co-operations at all times.

Yours truly


18/11/2023

For Hindustan Petroleum Corporation Limited

D.H.V. ANAND
DGM-RE, H&O, Mumbai

GOVERNMENT APPROVAL: IOCL

इंडियन ऑयल कॉर्पोरेशन लिमिटेड

प्रधान कार्यालय

'इंडियन ऑयल भवन', जी-9, अली यावर जंग मार्ग,
बान्द्रा (पूर्व), मुंबई - 400 051

Indian Oil Corporation Limited Head Office,

'Indian Oil Bhavan', G-9, Ali Yavar Jung Marg,
Bandra (E), Mumbai - 400 051.
Tel : 91-22-2644 7000
website: www.iocl.com



विपणन प्रभाग

Marketing Division

Ref: ENG/ACM/ENLIST/05

Date: 31.05.2021

M/s Umiya Flexifoam Pvt. Ltd.
Plot No. 40/40 A, Pancharatna Industrial Estate,
Village-Changodar, Taluka-Sanand Dist. Ahmadabad, Gujarat-382213

Sub: Enlistment of Suppliers / Manufacturers for supply of ACM (Aluminium Composite Material) to Corporation appointed converters for RVI (Retail Visual Identity) works.

Ref: Tender No: HCC/ENG-19/PT-80/2019-20 (E-Tender ID: 2019_MKTHD_103140_1)
LOA Ref: HCC/ENG-19/PT-80/2019-20/STAGE-I/UMIYA, Dated 17.01.2020.

This has reference to your bid submitted against our subject tender, evaluation of bids and detailed testing of sample at IIT w.r.t. terms & conditions of the tender documents.

We are pleased to inform you that you have been enlisted, as one of the authorized vendors for supply of "Aluminium Composite Material (ACM)" to IOCL/Corporation appointed Converters for RVI Works. Based on technical evaluation, factory visit, sampling, and subsequent test report of samples from IIT, this approval for enlistment of material is factory specific, as per following details:

#	Name of Vendor	Details of Manufacturing facility approved for supply of material	Approved for material
1	M/s Umiya Flexifoam Pvt. Ltd.	Plot No. 40/40 A, Pancharatna Industrial Estate, Village-Changodar, Taluka - Sanand Dist. Ahmadabad, Gujarat-382213	ACM (Aluminium Composite Material)

The ACM material is to be supplied from above approved factory only and strictly in compliance with technical specifications as mentioned in the tender documents. In case, if any ACM manufacturer desires to change or changes its manufacturing location, prior approval shall have to be taken from IOCL.

It is re-iterated that you shall provide a warranty of 10 (Ten) years against any defects, to the converters, along with the batch supply of ACM (Including MTC of ACM RO-wise), in line with terms and conditions of the tender.

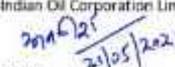
This enlistment shall remain valid as per the requirements of IOC & further IOC reserves the right to de-list any vendor from the approved make, based on not meeting the requisite quality standards at any point of time.

This letter is a mere confirmation of your enlistment under Approved makes list for RVI (Retail Visual Identity) works and does not entail any confirmed orders or commitment from IOCL.

By a copy of this letter, we are informing all our State Offices for inclusion in the approved makes list of ACM material.

Thanking you and assuring you of our best co-operations at all times.

Yours truly
For Indian Oil Corporation Limited


F/CGM (Engg.) 21/05/2021

Page 1 of 1

पंजीकृत कार्यालय : इंडियन ऑयल भवन, जी-9, अली यावर जंग मार्ग, बान्द्रा (पूर्व), मुंबई - 400 051. (भारत)

Regd. Office : 'Indian Oil Bhavan', G-9, Ali Yavar Jung Marg, Bandra (East), Mumbai - 400 051. (INDIA)

CIN: L 23201 MH+1959 GOI 011388

GOVERNMENT APPROVAL: NAGPUR METRO

MAHA-METRO

Tender No. P1C-03/2017

Part-III: Section IX: Annexure-IX-B –
Approved Vendor List (Civil)

Annexure-IX-B

LIST OF APPROVED MANUFACTURERS / VENDORS

All materials and products shall conform to the relevant standards/specifications of IS code, BS Code etc. and shall be of approved make and design. A list of manufacturers / vendors is given herein below for guidance. The approval of a manufacturer/vendor shall be given only after review of the sample / specimen by the Engineer. The complete system and installation shall also be in conformity with the – "Applicable Codes, Standards and Publications".

List of approved makes for products and materials is given below. Other equivalent manufacturers may be considered with prior approval.

No.	Details of Materials/Products	Manufacturer's Name
1.	Epoxy / Polyester resin For fixing anchor fasteners in soffits	"Lokset" of Fosroc Chemicals (India) Limited, STP MBT Apple chemie
2.	Fire stop Sealant	<ul style="list-style-type: none"> • Dow Corning's "Firestop Sealant 700: by • Universal Silicones Lubricants Pvt Ltd. • GE Silicone's Pensil 300 Fire stop Sealant"
3.	Ply wood	<ul style="list-style-type: none"> • Uniply • Europly • Archidply • Century ply • Hunsurply • Corbettt • Duroply (Green marked, BWR Grade) of Sarada Plywood Industries Ltd., • Green Plywood Kitply
4.	Block board	<ul style="list-style-type: none"> • Uniply • Euro Board • Green blockboard • Century board • Archid blockboard • Duroboard of Sarada Plywood • Bhutan Board

MAHA-METRO

APRIL-17

GOVERNMENT APPROVAL: NAGPUR METRO

MAHA-METRO

Tender No. PIC-03/2017

Part-III: Section IX: Annexure-IX-B –
Approved Vendor List (Civil)

5.	Veneers	<ul style="list-style-type: none"> • Greenply • Euro make • Jackson • Timex • Legend • Sarda Plywood Industries Ltd.
6.	Burl Veneer	<ul style="list-style-type: none"> • Green • Euro make • Jackson • Venture Enterprise • Kitply Industries Ltd.
7.	Adhesive	<ul style="list-style-type: none"> • "Pidilite • Araldite • Jivanjor • Apple chemie
	Cement based Adhesive	<ul style="list-style-type: none"> • Ultratech
8.	Flush Doors	<ul style="list-style-type: none"> • Kutty, • Karnataka State forest department, • Green, Decorative Duroply (Green marked), • Kitply
9.	Plastic Laminates	<ul style="list-style-type: none"> • Formica • Greenlam • Vlr • Sundeck • Neoluxe • Bakelite Hylam
10.	Aluminium Sections	<ul style="list-style-type: none"> • Indian Aluminium Co. • Hindustan Aluminium / • Jindal, • Bhoruka
11.	Aluminium Composite Panel	<ul style="list-style-type: none"> • Flexibond • Alucobond • AluKbond • Eurobond • AlucoPanel
12.	Float Glass/Toughened Glass Insulating Glass	<ul style="list-style-type: none"> • Float Glass India Ltd • Modiguard • Saint Gobain • Belgium glass Ltd

MAHA-METRO

APRIL-17

GOVERNMENT APPROVAL: AHMEDABAD METRO

Tender No: MEGA/CONS/STNS/E-WIR-1/2015

Employer's Requirement (TS-Architectural)

SECTION – S.23 - LIST OF APPROVED MANUFACTURERS

23.0 LIST OF APPROVED MANUFACTURERS

23.1 All materials and products shall conform to the relevant standards/specifications of IS code, BS Code etc. and shall be of approved make and design. A list of manufacturers / vendors is given in clause 23.2 herein below for guidance. The approval of a manufacturer/vendor shall be given only after review of the sample / specimen by the Engineer. The complete system and installation shall also be in conformity with the Clause – 1.6 – "Applicable Codes, Standards and Publications".

23.2 List of approved makes for products and materials is given below. Other equivalent manufacturers may be considered with prior approval.

List of Approved makes		
No.	Details of Materials/Products	Manufacturer's Name
1.	Epoxy / Polyester resin For fixing anchor fasteners in soffits	<ul style="list-style-type: none"> • Fosroc • STP • MBT
2	Fire stop Sealant	<ul style="list-style-type: none"> • Dow Corning's "Firestop Sealant 700; by Universal Silicones Lubricants Pvt Ltd, • GE Silicone's Pensil 300 Fire stop Sealant"
3	Ply wood	<ul style="list-style-type: none"> • Uniply • Europly • Archidply • Century ply • Hunsurply • Corbett • Duroply (Green marked, BWR Grade) of Sarda Plywood Industries Ltd., • Green Ply
4	Block board	<ul style="list-style-type: none"> • Uniply • Euro Board • Green blockboard • Century board • Archid blockboard

MEGA

MAY 2015

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GOVERNMENT APPROVAL: AHMEDABAD METRO

Tender No: MEGA/CONS/STNS/E-W/R-1/2015

Employer's Requirement (T5-Architectural)

		<ul style="list-style-type: none"> Duroboard of Sarada Plywood Bhutan Board
5	Veneers	<ul style="list-style-type: none"> Greenply Euro make Jackson Timex Legend Sarda Plywood Industries Ltd.
A	Burl Veneer	<ul style="list-style-type: none"> Green Euro make Jackson Venture Enterprise Kitply Industries Ltd.
6	Adhesive	<ul style="list-style-type: none"> Pidilite Araldite Kitcol Fevicol 3M
7	Flush Doors	<ul style="list-style-type: none"> Kutty, Gujarat State forest department, Green, Decorative Duroply (Green marked), Kitply
8	Plastic Laminates	<ul style="list-style-type: none"> Formica Greenlam Vir Sundeck Neoluxe Bakelite Hylam
9	Aluminium Sections	<ul style="list-style-type: none"> Indian Aluminium Co. Hindustan Aluminium / Jindal, Bhoruka Hindalco
10	Aluminium Composite Panel	<ul style="list-style-type: none"> Flexibond Alucobond AluKbond Eurobond AlucoPanel
11	Float Glass/Toughened Glass Insulating Glass	<ul style="list-style-type: none"> Float Glass India Ltd. Modiguard Saint Gobain Belgium glass Ltd.
12	Bevelled and Embossed Glass/Mirrors	<ul style="list-style-type: none"> Gujarat Guardian Ltd. Modi Saint Gobain
13	Powder Coatings	<ul style="list-style-type: none"> Berger Nerocoat Jenson & Nicholson

GOVERNMENT APPROVAL: AHMEDABAD METRO

Tender No: MEGA/CONS/STNS/E-W/R-1/2015

Employer's Requirement (TS-Architectura)

14	Asphalt Emulsion	<ul style="list-style-type: none"> Karnak Chemical Corporation STP
15	Tile Joint Filler	<ul style="list-style-type: none"> Bal Adhesives & Grouts "Roff Rainbow Tile mate" of Roff construction Chemicals Pvt Ltd. Winsil 20/Silicon Sealant of GE Bayer Silicon "Zentrival FM" of MC-Bauchemie (IndiaPvt Ltd)
16	PVC Tile Spacers	<ul style="list-style-type: none"> Kajaria Ceramics Limited Arpitha Exports
17	Heavy Duty Chequered Tiles	<ul style="list-style-type: none"> NITCO Modern Tiles
18	Ceramic Tiles	<ul style="list-style-type: none"> Kajaria Bell Spartek Goldcoin Johnson Somany RAK Ceramics Nitco
19	Vitrified Tiles	<ul style="list-style-type: none"> "CeraIndia Nitco "Marbo Granit" of Bell Granito Ceramica Ltd. Johnson Tiles Somany Tiles
20	Marble blended Vinyl Tiles/Sheet	<ul style="list-style-type: none"> Armstrong of Inarco Ltd Terkett Floorings Krishna Vinyl
21	Glass Mosaic Tiles	<ul style="list-style-type: none"> Mridul Enterprises Italia Palladio Bissaza tile Glass Italia Pavit
22	Marble Mosaic Tiles	<ul style="list-style-type: none"> Nitco Basant Tiles
23	Aluminium Lineal Ceiling	<ul style="list-style-type: none"> Luxalan, Hunter duguis Interarch Saint gobin Fameline
24	Steel Panel Ceilings	<ul style="list-style-type: none"> Interarch Armstrong Metckaft
25	Resin Bonded Glass Wool	<ul style="list-style-type: none"> Rockloyd Kingsway
26	MS Tubes	<ul style="list-style-type: none"> Tata Lloyd Metal & Engineering Co. NSL Limited

GOVERNMENT APPROVAL: AHMEDABAD METRO

Tender No: MEGA/CONS/STNS/E-WIR-1/2015

Employer's Requirement (TS-Architectural)

27	Modified Bituminous	<ul style="list-style-type: none"> • "Multiplas Standard" of Integrated Waterproofing Membrane Limited • "SUPER THERMOLAY"/"POLYFLEX" of STP Limited. • "LOTUS-3" of the Structural Waterproofing Co. Limited • "HEAVY DUTY POLYPLY" of Ana Roofings Private Ltd
28	Epoxy Putty	<ul style="list-style-type: none"> • "Techoxy" by Choksey Chemicals Pvt Ltd. • Joton • Fosroc • Sika
29	Polysulphide Sealants	<ul style="list-style-type: none"> • Pidilite Industries Ltd. • STP • Fosroc • Choksey
30	Silicone Sealants	<ul style="list-style-type: none"> • G.E. Bayer Silicone. • Dow Corning • Waclear
31	Sealant Joints	<ul style="list-style-type: none"> • Watson Bowman Acme Corporation • "Slipray" of G.E. Bayer Silicare
32	Paints	<ul style="list-style-type: none"> • I.C.I. • Berger • Jonson & Nicholson • Asian Paints • Dulux • Nerolac • Surfa • MRF
33	Emulsion Paint	<ul style="list-style-type: none"> • ICI • Joton • Luxol Silk • Jonson & Nicholson • Asian Paints • Dulux • Nerolac
34	Synthetic Enamel	<ul style="list-style-type: none"> • I.C.I. • Berger • Jonson & Nicholson • Asian Paints • Dulux • Nerolac • Surfa
35	Texture Paints	<ul style="list-style-type: none"> • Spectrum • Unifite • Surfa • Birla • Berger

GOVERNMENT APPROVAL: AHMEDABAD METRO

Tender No: MEGA/CONS/STNS/E-W/R-1/2015

Employer's Requirement (TS-Architectural)

		<ul style="list-style-type: none"> Asian Paints Dura shield
36	Polyurethane Paint	<ul style="list-style-type: none"> MRF Berger Joton
37	Wax Polish	<ul style="list-style-type: none"> Reckitt & Colman Asian Berger
38	Melamine	<ul style="list-style-type: none"> ICI Delux Timberstone Melamine Coating Asian / Berger
39	Membrane Water Proofing	<ul style="list-style-type: none"> Padmaja Engineering Services, INC Bitumat
40	Cement Bonded Particle Board	<ul style="list-style-type: none"> Bison Panel Board Everest Industries
41	Stainless Steel Railings	<ul style="list-style-type: none"> Salem Steel Jindal Stainless steel GM 2 metal works
42	Raised (Access) Floor / Cavity floor	<ul style="list-style-type: none"> Hewelson United Insulation Lloyd Insulation
43	Fire Check Doors	<ul style="list-style-type: none"> Godrej Howra mazda
44	Pressed Steel Door Frames	<ul style="list-style-type: none"> Deccan Structural Systems Pvt. Ltd, Agew San-Harvic
45	Ceramic Claustra	<ul style="list-style-type: none"> Scindia Potteris
46	Interlocking Paving Tiles	<ul style="list-style-type: none"> Pavestone Marketing Pvt Ltd Nitco Marble & Granite Pvt. Ltd Vyara tiles Pavit
47	Ashford Formula	<ul style="list-style-type: none"> JB Associates
48	Eleganstone	<ul style="list-style-type: none"> Bubna Commodities (P) Ltd
49	Rocklloyd	<ul style="list-style-type: none"> Lloyd Insulation (India) Ltd
50	Cavity Block	<ul style="list-style-type: none"> Apco Concrete Block Besser Concrete Systems Ltd Sobha Concrete Products
51	Aerocon Blocks	<ul style="list-style-type: none"> Hyderabad Industries Ltd Ballarpur Industries Ltd
52	Cement concrete designer tile	<ul style="list-style-type: none"> Eurocon tiles, Duracrete Ultra tiles,

GOVERNMENT APPROVAL: AHMEDABAD METRO

Tender No: MEGA/CONSISTNSIE-WIR-1/2015

Employer's Requirement (TS-Architectural)

53	Polycarbonate sheets	<ul style="list-style-type: none">• GE Plastics (Lexlon)• Tuffite
54	Iron Mongery	<ul style="list-style-type: none">• Dorma• Ozone• Kich• Yale• Dorset• Henderson• Ebco
55	Tactile Tile Flooring	<ul style="list-style-type: none">• Pelican• Johnson

GOVERNMENT APPROVAL: BANGALORE METRO

Contract No. 2006/004 & 2010/004/2/Extension - Station Works		Architecture & Inter Development works - Station Works	
34	Supply Items	<ul style="list-style-type: none"> Iron Sills Ironon & Expansion Alum Panels Daluis Mercede Garls ICI Angip Alum & Expansion Alum Panels Daluk Mercede Sulfo Spectrum Unibel Sulfo Nite 	<ul style="list-style-type: none"> Hydra Concretions (P) Ltd Loyal Industries (India) Ltd
35	Texture Paints	<ul style="list-style-type: none"> MBP Stirrup Insollit & Coltram Asian Beige Asian / Beige ICI Delta / Imperstone / Interlock / Beige Beige Asian / Beige Asian / Beige Asian / Beige 	<ul style="list-style-type: none"> Emerson Inds. Dewanee Ulip Sin GE (India) (Asia) Tillite Dyane Dyane Kuch Yok Orinal Hendrich Eco
36	Prepainted Panel	<ul style="list-style-type: none"> Asian / Beige 	
37	Wax Polish	<ul style="list-style-type: none"> Asian / Beige 	
38	Maintenance	<ul style="list-style-type: none"> Asian / Beige 	
39	Maintenance Water Treatment	<ul style="list-style-type: none"> Asian / Beige 	
40	Current Switched Particle Board	<ul style="list-style-type: none"> Asian / Beige 	
41	Stainless Steel Railings	<ul style="list-style-type: none"> Asian / Beige 	
42	Isolated (Access) Floor / Cavity Insul	<ul style="list-style-type: none"> Asian / Beige 	
43	FRT Check Doors	<ul style="list-style-type: none"> Asian / Beige 	
44	Precast Steel Gate Frames	<ul style="list-style-type: none"> Asian / Beige 	
45	Generic Chairs	<ul style="list-style-type: none"> Asian / Beige 	
46	Structuring Paving Tiles	<ul style="list-style-type: none"> Asian / Beige 	
47	Asphalt Formals	<ul style="list-style-type: none"> Asian / Beige 	













Bangalore Metro Rail Corporation Ltd
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 000613000

GOVERNMENT APPROVAL: BPCL

**भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड**
भारत सरकार का उपक्रम

BHARAT PETROLEUM CORPORATION LTD.
A Unit of India Enterprise

Ref.RE/ACM/ENLISTMENT Dated : 14-09-2023

To
M/s. Umiya Flexifoam Pvt Ltd (Flexibond)
Plot No.40/A, Panchratna Industrial Estate,
Changodar, Ahmedabad, Gujarat -382213

Sir/Ma'am,

Sub: Enlistment of Manufacturer for supply of Aluminium Composite Material (ACM) to our appointed converters for Retail Visual identity (RVI)/Signage Works.

Ref: 1) Tender No: HQ/RE /ACM/01/22-23 (E-Tender No: 3199) dated 10-06-2022.
2) ACM Test Report by IIT Delhi.
3) Letter of Intent ref. RE/ACM/LOI dated 10-05-2023.
4) Bank Guarantee No. 006GT02232340029 - dt 22-08-2023

This has reference to your bid submitted against our subject tender, evaluation of bids and detailed testing of sample at IIT Delhi w.r to terms and conditions of the tender documents.

We are pleased to inform you that you have been enlisted as one of the authorized manufacturers for supply of **Aluminium Composite Material (ACM)** for Retail Visual identity (RVI)/Signage works of Retail Outlets. Based on the technical evaluation, factory visit, sampling and subsequent test reports of samples from IIT Delhi, this approval for enlistment of ACM material is factory specific, as per following details:

Name of the Manufacturer : M/s. Umiya Flexifoam Pvt Ltd (Flexibond)
Details of Manufacturing facility approved for supply of ACM : Plot No.40/A, Panchratna Industrial Estate, Changodar, Ahmedabad, Gujarat-382213 for all the three colours used by us for RVI /Signage works.

The ACM material is to be supplied from above approved factory only and strictly in compliance with technical specifications and colours as mentioned in the tender documents and samples tested by IIT Delhi.

It is reiterated that you shall provide a warranty of 10 (Ten) years against any defects, to the BPCL approved converters/vendors, along with batch supply of ACM (including Warranty Certificate/MTC of ACM RO wise, in line with terms and conditions of tender.

The enlistment will be valid for a period of five years (up to **20-08-2028**), subject to review and confirmation of performance and quality by BPCL at the end of 1st year, for further continuation. Please note that BPCL reserves the right to de-list any manufacturer from approved make based on not meeting requisite quality standards at any point of time. The enlistment is a mere confirmation of your enlistment under approved makes list for RVI/Signage works and does not entail any confirmed orders or commitments from BPCL.

Kindly sign and return to us the duplicate copy of this letter as a token of your acceptance of the technical specifications, terms & conditions therein. The BPCL approved converters/vendors shall get in touch with you for supply of ACM as per orders placed on them.

Thanking you,
Yours faithfully
For Bharat Petroleum Corporation Ltd


Chief Manager (Engg.) Retail HQ

Encl.: Annexure III & IV of tender. आवेदन, शीट नं. 19949; मुद्रा - 400 005, फोन: 2217 5000
संकेतक प्रमाण: भारत भवन, 4 & 6, कुम्भलग रोड, बालर एस्टेट, पंचरातना इलाहाबाद, मुद्रा-400 001
ई-मेल: info@bharatpetroleum.in वेबसाइट: www.bharatpetroleum.in CIN : L23220MH1952GOI008931

12E & F, Maker Tower, Cuffe Parade, P. S. No.19H49, Mumbai-400 005, Phone: 2217 5000
Registered Office: Bharat Bhavan, 4 & 6, Cummbhlay Road, Ballard Estate, P. S. No. 888, Mumbai - 400 001
Email : info@bharatpetroleum.in Website: www.bharatpetroleum.in CIN : L23220MH1952GOI008931

GOVERNMENT APPROVAL: GSPC

		APPROVED CIVIL MATERIAL MAKE FOR CNG STATION CONSTRUCTION WORK			Doc. No. : GGL/CD&P/CNG /Civil/02/Material	
					Rev No. : 00	
					Eff. Date : 01.05.2017	
GUJARAT GAS LTD - CIVIL CONSTRUCTION AND ALLIED WORKS						
LIST OF APPROVED MAKE / MANUFACTURERS						
Items	Description	Company	Contact Nos. for Ref only	Product code	Images	
Cement	53 grade O.P.C grey cement, P.P.C. grey cement	Ultra tech, Ambuja, Hathi, Sanghi, Siddhi,				
Steel	Fe-415 TMT ISI approved.	Tata-Tisco, Vizag, SAIL, Essar, Kamdhenu, Niranth, Electro TMT				
	Structural steel	TATA, ASIAN, SAIL,				
M.S. pipe	hollow tubular section of various sizes	TATA, ASIAN				
Vitrified Tiles	10 mm thick 600mm*600mm size vitrified tiles.	Asian, Nitco, Vermora, bell, Creva, Grandillo		Self & Pepper-Light grey.		
Kota stone	18 mm thick kota stone with semi mirror polished.					
Glazed tiles	300mmx450mm size for wall and dado.	Kajaria, Somani, Asian		CALICO GREY (Light), CALICO GREY (Dark).		
	300mm*300mm size for floor.	Kajaria, Somani, Asian		CALICO GREY (Dark).		
	"C" class glazed tiles. 10 mm thick.	Local make		White		
Paver blocks	flagrey pattern(Zigzag pattern), compressive strength not less than 400-450kg/sq.cm., 80mm thick rubber moulded.	Vyara or as approved by GGL, Civil EIC / Consultant.		DarkGrey		
Curb stone	Precast curb stone : Finish surface Size 450 x 300 x 150 / 200 Size 500 x 300 x 150 / 200	Vyara or as approved by GGL, Civil EIC / Consultant.				
Paving Tiles	Chequered Tiles - 300x300x30mm	As approved by GGL, Civil EIC / Consultant.				
F.R.C. Manhole cover	HD-3D grade- 20 ton capacity with frame as per IS-12592:2002	As approved by GGL, Civil EIC / Consultant.				
Paints						
Building External paint	EP-1 Vanila Ice	Asian Apex ultima weather shield / Nerolac with prior approval of Civil EIC		7836 - Vanila Ice / As directed by EIC		
	EP-2 Wedge of lime	Asian Apex ultima weather shield / Nerolac with prior approval of Civil EIC		7746 - Wedge of lime / As directed by EIC		
Internal paint (Building)	Wall- Ice crystal	Asian plastic emulsion		6444		
	Base white	Asian plastic emulsion		code- Base white		

GOVERNMENT APPROVAL: GSPC

 GUJARAT GAS	APPROVED CIVIL MATERIAL MAKE FOR CNG STATION CONSTRUCTION WORK			Doc. No. : GGL/CD&P/CNG /Civil/02/Material	
				Rev No. : 00	
				Eff. Date : 01.05.2017	
GUJARAT GAS LTD - CIVIL CONSTRUCTION AND ALLIED WORKS					
LIST OF APPROVED MAKE / MANUFACTURERS					
Items	Description	Company	Contact Nos. for Ref only	Product code	Images
External paint Compound wall	Compound wall & column	Asian Apex		Column-2529D Wall-2575P / As directed by	
Enamel paint	Blue & Orange color-match with ACP shade, approved by consultant.	Asian			
Metalllic paint	Auto paint matt finish	ESDDE		as approved by Client/ consultant	
Epoxy Paint	Epoxy Paint	Asian / Burger			
Precoated Corrugated G.I. sheet	0.6mm thick	Tata or Jindal		White	
Polycarbonate sheet	10 mm thick white sheet	GE or ISI approved			
ACP work	4mm thick Exterior grad aluminium composite panel.	Flexi bond, Aludecor or as approved by civil EIC.		Green As per branding document	
	4mm thick Exterior grad aluminium composite panel.	Flexi bond, Aludecor or as approved by civil EIC.		White As per branding document	
	4mm thick Exterior grad aluminium composite panel.	Flexi bond, Aludecor or as approved by civil EIC.		Blue As per branding document	
	4mm thick Exterior grad aluminium composite panel.	Flexi bond, Aludecor or as approved by civil EIC.		Any colour As per branding document	
Vinyl	Cut vinyl for signage work	3M , LG with prior approval of EIC		Any colour As per branding document	
Vinyl	White colour, black base Cut vinyl with printing for signage work	3M , LG with prior approval of EIC		Any colour As per branding document	
Vinyl	Transparent Cut vinyl with printing for signage work	3M , LG with prior approval of EIC		Any colour As per branding document	
Reflective Vinyl	Reflective Cut vinyl for signage work	3M, Nikoite or approved by consultant		Any colour As per branding document	
Acrylic	White 2 mm thick	GSFC/ Imported make with prior approval of GGL EIC		ACBR/040 Approved colour as per branding doc	
Aluminium doors and windows	Aluminium sections anodized black coated as per detailed drawings	Jindal or Banco make.			
	Accessories- Bearings, EPDM, Gasket rubber, Handles, Hinges, Pivots etc.	As approved by consultant			
Glass	Plain Glass	Modi Guard / Sant Gobin			
Glass	Grey Tinted Glass	Modi Guard / Sant Gobin			
Plumbing					
Water meter		Kranti or other ISI approved			
UPVC & CPVC pipe & fittings	UPVC & CPVC pipe for water supply plumbing work	Astral / Supreme / Dutton / Prince			

GOVERNMENT APPROVAL: GSPC

 APPROVED CIVIL MATERIAL MAKE FOR CNG STATION CONSTRUCTION WORK		Doc. No. : GGL/CD&P/CNG /Civil/02/Material Rev No. : 00 Eff. Date : 01.05.2017			
GUJARAT GAS LTD - CIVIL CONSTRUCTION AND ALLIED WORKS					
LIST OF APPROVED MAKE / MANUFACTURERS					
Items	Description	Company	Contact Nos. for Ref only	Product code	Images
PVC pipe & fittings	PVC pipe for Agriculture conforming to IS 4985-88. 8kg/100m class 3 grade ISI approved make.	Astral /Supreme /Dutron / Prince			
GI pipe & fittings (For Electrical)	B-class medium duty	Tata /Asian or ISI approved			
Nahani trap	PVC multi trap	Supreme /Dutron			
Gully trap	PVC	Supreme/Dutron/Pr			
Sluice valve	Sluice valve/ Wheel valve	Zoloto make			
Over head water tank	PVC black/white water tank	Sintex make or ISI Approved		1500 / 1000 / 500 liter	
Submersible pump (UG / OH Tank)	Capacity of 25 Cum/Hr; 5 m Head 2900 rpm and 1HP Motor	Crompton and Greaves or equivalent			
Submersible pump (Bore well)	Capacity of 7.5 HP / 10 HP as directed by EIC	Crompton and Greaves or equivalent			
Anti termite chemical	Chlorophyphos 20% EC	Ifco, Nul, Crystal, Dindoyal Agro Pvt.			
Water proofing material		Cico No-1 or ISI approved			
RCC pipe	CLASS-IRS-NP4 ISI standard RCC pipe	ISI approved			
Capcell board	25 mm thick and 100mm deep	Supreme or ISI approved			
Polysulphed sealant		ISI approved			
Dustbin	TOP-400 X 400 BOTTOM-300 X 300	Sintex		GBR-08-03	
Water Cooler & water purifiers					
Water cooler	<ul style="list-style-type: none"> Storage capacity 150 lit. Nominal Cooling Capacity 150 LPH Faucet 2 nos. Electric Supply 230V 50Hz AC + Dimension : (W)620 x (D)700 x (H)1235 mm Auto Shut-Off Externally mounted thermostat to set water temp. Sturdy moulded, mount on 450mm height MS stand, Compressor easy control and speedy drainage Stainless Steel Body, power saving In-c2 PUF insulation. 	Blue Star		SDI X 15150	

GOVERNMENT APPROVAL: GSPC

		APPROVED CIVIL MATERIAL MAKE FOR CNG STATION CONSTRUCTION WORK			Doc. No. : GGL/CD&P/CNG /Civil/02/Material	
					Rev No. : 00	
					Eff. Date : 01.05.2017	
GUJARAT GAS LTD - CIVIL CONSTRUCTION AND ALLIED WORKS						
LIST OF APPROVED MAKE / MANUFACTURERS						
Items	Description	Company	Contact Nos. for Ref only	Product code	Images	
RO Water purifying system 150LPH	<ul style="list-style-type: none"> * 150 LPH water capacity RO - Reverse Osmosis Technology - Raw water booster pump, - Sediment Pre-Filtration tank - Carbon Pre-Filtration tank - Reverse Osmosis Membrane - Post Carbon Filter - Badder Storage Tank - Automatic Shut-Off Valve - Pressure Guages - Solenoid valves - Feed Water Valves-angle stop valve, faucet adaptor, self-priming valve / Solenoid valves - On line tds display 	Ion Exchange / Equivalent as approved by EIC				
RO Water purifying system 100LPH	<ul style="list-style-type: none"> RO 100 Series produces 100 / 150 liter per hour. - Pressure Sand Filter : FRP 8" X 35" Vessel Containing Gravel & Sand. - Pre Filter : 20X20 Micron PP Filter USA. - Pre Filter : 20 X 5 Micron PP Filter USA. - Carbon Filter : 20 Activated Carbon Block Filter-Taiwan. - Procon Pump : 140 Gph. (Brass / S.S.) - Motor : 0.5 Hp 230 – AC volt. - Membrane : 25 X 40 (Dow Filmed). - Pressure Meter : 2 Pcs. - Flow Meter : 2 - 7 Lpm. 1 pcs. - Electrical Panel : Volt Meter, Ampere Meter, Rotary Switch, MCB Switch. - Auto Flushing : Solenoid Valve (Korea). Automatic on & off System : Radar switch. - Indicators : Power, Working, Low Pressure, High Pressure, Flushing, TDS. - Production Rate : 100 Lph. - Feed Water : 2000 ppm. Max. (Raw Water) - Reject Water : Appx. 40%. - Power Consumption : 230 – Volt AC (0.5 H.P) 	Ion Exchange / Equivalent as approved by EIC				
Water Purifier	Zero B PURLINE 4L Out flow Capacity 240 LPH	Ion Exchange / Equivalent as approved by EIC				
RO	ZERO B Skid. Outflow Capacity 60 LPH	Ion Exchange / Equivalent as approved by EIC				
Water Softener	Zero B NG series Softner. Outflow Capacity 3000 LPH	Ion Exchange / Equivalent as approved by EIC		NGS-3B		

GOVERNMENT APPROVAL: GSPC

	APPROVED CIVIL MATERIAL MAKE FOR CNG STATION CONSTRUCTION WORK				Doc. No. : GGL/CD&P/CNG /Civil/02/Material
					Rev No. : 00
					Eff. Date : 01.05.2017
GUJARAT GAS LTD - CIVIL CONSTRUCTION AND ALLIED WORKS					
LIST OF APPROVED MAKE / MANUFACTURERS					
Items	Description	Company	Contact Nos. for Ref only	Product code	Images
Water Softener	Zero B Auto Softner, Outflow Capacity 1000 LPH	Ion Exchange, / Equivalent as approved by EIC			
SPEED BUMP & RUMBLER	Dovetail interlocking subunits made of rubber and ABS plastics.	Dark Eye or Equivalent as approved by consultant	011-24325332, 24315335	DA - 1001	
Reflector marker					

SIGN AND SEAL OF CONTRACTOR:

TESTIMONIAL & CREDENTIAL



JMC Projects (India) Limited

ENGINEERS & CONSTRUCTORS
(A Kalpataru Group Enterprises)

131, 3rd Floor, Limbra Complex, (Near Dasarahalli Metro Station)
NH-4, Tumkur Road, T. Dasarahalli, Bangalore - 560 057, Karnataka



TO WHOMSOEVER CONCERN

This is to certify that we have used **FLEXIBOND ACP** as a cladding material for our Bangalore Metro Project Elevated Stations of Reach 3B & 4A viz. Hesaraghatta Cross, Dasarahalli, Jalahalli, Banashankari, JP Nagar and Pattenahalli Cross facade via our Piece rate contractor: M/s Aitech Enterprises, M/s Hatim Glazing & Cladding Pvt Ltd and M/s Ashwamedha and we are fully satisfied with the product quality and availability. The best part working with them has been the prompt response time of the staff and delivering what they commit. We feel that without their support it would have been very difficult to complete the project in deadline.

For JMC Projects (India) Limited

P. Jayaram
Authorised Signatory



Registered Office : A 104, Shapath - 4, Opp. Karnavati Club, S. G. Road, Ahmedabad 3680 015.
Tel. : 079 - 3001 1500 • Fax : 079 - 3001 1600 • Email : jmcho@jmcprojects.com • CIN : L45200GJ1986PLC0087
CIN : L45200GJ1986PLC008717

TESTIMONIAL & CREDENTIAL



Date: 29-05-19

TO WHOM SO EVER IT MAY CONCERN

This is to certify that M/s Preksha Aluminium, 6,Panch villa apartment, Bhuyangdev, Ahmedabad 380061 has been completed Internal aluminium partition and ACP cladding work at our SVP hospital project, all ACP cladding material has been used of Fire resistance grade, manufactured by FLEXIBOND make.

All work on this project has been satisfactorily completed subject to the terms and conditions of the Contract and Specifications within time limit.

This certificate we are issuing on their special request.

Sr. Project Manager
C. C. Patel

Patel Infrastructure Limited
Regd. Office

"PATEL HOUSE", Beside Prakruti Resort, Chhani Road, Chhani, Vadodara - 390 024, Gujarat, India
Ph.: +91 265 277 6678, 277 7778 | Fax: +91 265 277 7878 | Email: ho@patelinfra.com | Website: www.patelinfra.com
CIN : U45201GJ2004PLC043955

TESTIMONIAL & CREDENTIAL



TO WHOMSOEVER IT MAY CONCERN

With great pleasure I would like to declare that FLEXIBOND (Umiya Flexifoam Pvt Ltd) make Aluminum Composite Panel (ACP) (FB-203 Blue and FB-204 White) is the exclusively approved brand for branding at Vivo in Gujarat. The quality and service provided by them is really commendable and we are fully satisfied with the same. The sincerity and commitment towards processing every order of the vendor, irrespective of the quantum of material needs appreciation.

For, RUI CHUANG TECHNOLOGIES PVT LTD



Rui Chuang Technologies
Pvt Ltd.

1st Floor, Commerce House - 4, No. Skell Petrol Pump,
Anand Nagar, Ahmedabad - 380051
CIN No. U74140GJ2014PTC081073

www.vivoglobal.in

TESTIMONIAL & CREDENTIAL

ALTECH

Enterprises

86/B, Industrial Suburb, 2nd Stage, Yeshwanthpur, Bangalore - 560 022.
Tel : (080) 23374587, 23477551 Fax : (080) 23579886
E-mail : altech@vsnl.net



Architectural Aluminium
uPVC Door & Window
Systems & Coating
Shivam Marketing
#49/12, Industrial Suburb
Near Ullas Theatre
Yeshwanthpur
Bangalore 560022

Date: 18.09.2017

Dear Sir

Sub: Flexi bond- ACP Sheets

With reference to the above subject, we have used the Flexi bond - ACP sheets for our infrastructure projects (Metro stations- Nagasandra, Dasarahalli, Jahahalli Cross, Peenya Industry & Peenya stations). The service and quality of the product is satisfactory.

Thanks & Regards

For ALTECH ENTERPRISES



Authorized Signatory

TESTIMONIAL & CREDENTIAL

BANGALORE BRANCH OFFICE:
1st Floor, Shop no. 25,
80 Main, Byranandra,
Jayanagar, Bangalore-560011
Tel: +91-9322651748



Head Office & Factory:
19th Sant Savta Marg, Near Bajaj
Electricals, Opp. Ray Road Station,
Maggaon, Mumbai - 400 016,
Tel : +91 22 2372 3934 / 2372 4792
Fax : + 91 22 23778552
info@hatimglazing.com
www.hatimglazing.com

High Rise Building Windows System, Glazing, Cladding, Glass Facade, Frameless System, Skylight, Dome, Canopy, Automatic Doors, Railing, Ceiling, Shower Cubicles, Powder Coating, Anodizing, PVDF Coating

Date :- 19/9/17

To whomsoever it may concern

With great pleasure we would like to declare that we have used FLEXIBOND Brand (Umaiya Flexifoam Pvt Ltd) Aluminium Composite Panel at **Bangalore Metro Rail Corporation**. The Quality and service provided by them is really commendable and we are fully satisfied with the same.

For Hatim Glazing and Cladding Pvt Ltd.

Mass Production Factory: Hadaveli Aarbayschi Wadi, Pali Road, Post Jamulpada, Taluka : Sudagar, Dist : Raigad - 410 205,

MAHARASHTRA | GUJRAT | GOA | CHENNAI | HYDERABAD | DELHI | RAJASTHAN | BANGALORE

TESTIMONIAL & CREDENTIAL



Date: 08/06/2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that we have used **FLEXIBOND ACP** at **Ahmedabad Metro** project. We installed their ACP at Vastral Station, Amraiwadi Station, Apparel Park station, Apparel Park Mega Depot and so on. We are truly satisfied with product quality and timely delivery of material. The best part with working them has been the commitment. What they commit, they deliver.

Thanks & Regards,

Hi-Fab Aluminium Pvt. Ltd.



EXPERIENCE CENTRE :-
TWF GALLERY, 204 Sarthik Square, Near GNFC Tower, S. G. Highway, Ahmedabad 380054, Gujarat, India

☎ +91 79 40305040, 9099060400 ✉ info@twfgallery.com 🌐 twfgallery.com

HIFAB ALUMINIUM PVT. LTD.
Block No. 787, Survey No. 190, Sanand-Viramgam Highway, Village Jakhwada, Ahmedabad 382150, Gujarat, India

CIN No: U27203GJ2008PTC055767

Bill of Quantities

Annexure -A

Sr. No.	Description	Unit	Qty.	Rate	Amount (In Rupees)
1	Supply & Installation of Aluminium Composite Panel Cladding with 4.0mm Thick (0.50+3.0+0.05) Composite Panel from Flexibond make. The ACP Cladding fixing on Mill Finish Aluminium Structure made in 2"X1" Plain on Tray System Together with all accessories & S.S Screw & Fill Silicon Sealant with Backer Rod as under (Approved Make: ACP Sheet-Flexibond & Aluminium - Jindal)	Sq.mtr	33.00	3300	1,08,900/-
	GST 12%				13,068/-
	(Rupees One Lakh Twenty one Thousand and Nine Hundred and Sixty eight only/-)				1,21,968/-

Note: - (Specification)

1). Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building, for all heights and all levels etc. including:(a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design. (b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc. "

TESTIMONIAL & CREDENTIAL



TO WHOMSOEVER IT MAY CONCERN

"Execution is the key to Success". Yes, these words kept its meaning when we worked with FLEXIBOND. The proposed project of **Development Near Akota Bridge Road for Vadodara Mahanagar Seva Sadan** is esteemed project of any applicator as it has a large amount of procurement of **4mm 0.50mm FLEXIBOND Brand Aluminium Composite Panel** worth around **₹1.55 Crores**. Along with FLEXIBOND and their distributor's team, we calculated every minute details and executed project within time frame. We appreciate FLEXIBOND for their immense support in terms of technical guidance, product quality & on time material delivery throughout the project.

It has been great experience working with them and we wish them good luck for their future endeavours.

Thanking you

For Shivalay Infra Projects Pvt. Ltd.


Authorised Signatory



-  A-102, Kabir Residency, Makarpura Main Road, Manjalpur, Vadodara – 390 009.
-  91 972 433 5880 / 91 265 263 5272
-  shivalay_ent@rediffmail.com / accounts@shivalay.in

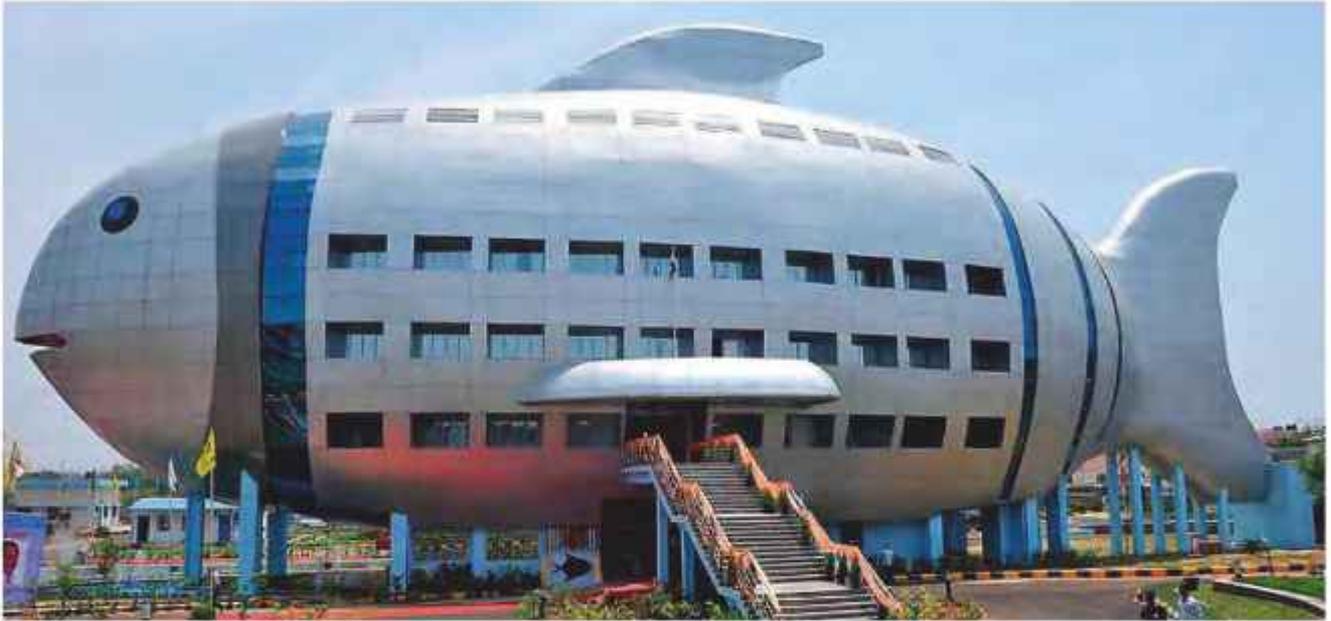
EVENTS & EXHIBITIONS



EVENTS & EXHIBITIONS



PROJECTS



PROJECTS



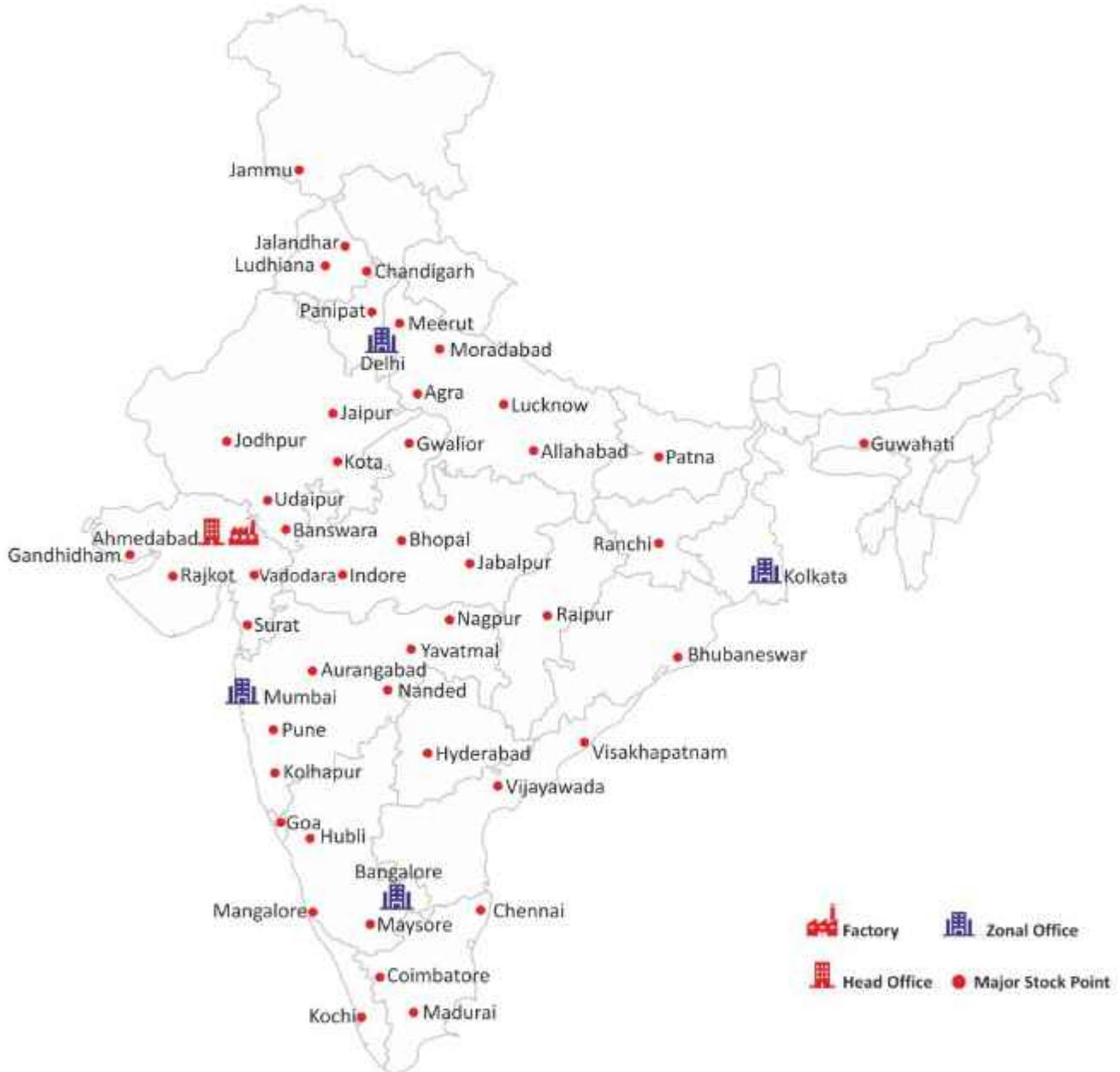
PROJECTS



PROJECTS



THE PRESENCE OF TRUST & ATTACHMENT ACROSS THE COUNTRY



The Presence of Trust & Attachment across the Globe

A International Inc.
14160 Redhill Ave, Unit 3, Tustin CA 92780.
+19493103910

Umiya Industries LLC
44 Center grove rd apt F- 32
Randolph, NJ 07869, USA
Email: info@umiyaind.com
Web.: www.umiyaind.com

ESTEEMED ATTACHMENTS



SAMSUNG

vivo

oppo



adani



HEAD OFFICE

AHMEDABAD

40/A, Panchratna Industrial Estate, B/h. Vivek Steel, Changodar-382 213,
Ta. Sanand, Dist. Ahmedabad (Gujarat) India. | +91 92280 25446 | info@flexibond.com

NETWORK

DELHI

Lower Ground Floor b-24, Okhla
Industrial Area Phase-2, New Delhi,
Southdelhi - 110020

KOLKATA

5, Warshi Corporate Compound,
Hide Road, Police Station West
Port, Kolkata-700043

INDORE

Surevey No.21 SDA Compound,
Lasudhya Mori, Dewas Naka,
Indore-452010

MUMBAI

9, Tapo Commercial Premises,
Ram Mandir Road, Goregaon
West Mumbai-400104

CHENNAI

No.11, Janaki Ammal Street,
Nr. Kamrajal Colony 9th Street,
Kodambakkam, Chennai-600024

BENGALURU

No. 18 SY No.80/1, 1st Cross Road,
Someshwara Nagar, Mahalakshimpuram,
Bengaluru-560022

CHANDIGARH

Village Pabhat, Ground Floor Zirakpur
Tehsil Derabassi, Dis-Mohali Sas Nagar
Punjab-140603

GUWAHATI

Near HDFC Bank Ltd.,
Maligaon Gate No:1,
Guwahati-781011

RAIPUR

Jhulelal Chowk, Nahar Para,
Raipur (Chhattisgarh)
India-492001

PUNE

Shop No.121 Prestige Point,
283 Shukrawar Peth,
Pune-411002

HYDERABAD

No. 8-7-47 R.R. Nagar Old
Bowenpally, Secunderabad-500011
Hyderabad.

VADODARA

04 - Parmatma Park,
Chaani Jakatnaka Circle,
Vadodara - 390024

JAIPUR

E-108, Road No.07, V.K.L Area,
Opp Lal Golden Transport,
Jaipur-302013

RANCHI

Ground Floor, Kedia Square,
Barahat Street, Upper Bazar
Ranchi-834001

SURAT

Plot No. 31 & 32b Ground Floor S K
Industrial Society-2 Nr. Soyo Circle
Udhana Magdala Road, Surat - 395017

NAGPUR

Plot No. 47 Garoba Maidan Shastri
Nagar Chowk Bhandara Road,
Nagpur-440008

ERNAKULAM

71/2686-2689 Keerthinagar,
Deshabhimani Road, Elamakkara,
Ernakulam-682026

RAJKOT

Indrajit Complex - 3,
Opp. Shree Ram PUC,
Godown Road, Rajkot



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