

ALSTONE[®]

WPC



ALSTONE

ADF DOOR FRAME

Every Exit
Is An
Entrance

To
Somewhere Else



WPC Door & Window Frame

Alstone Industries Pvt. Ltd.

www.alstoneindia.in

HEAD OFFICE
2E/7, Jhandewalan Extension, New Delhi, India 110055
Web : www.alstoneindia.in Email : csd1.wpc@alstoneindia.in

CUSTOMER CARE
+91 9810846953, 011-42307700

BRANCHES

AHMEDABAD : 7428796915	HYDERABAD : 9311733236
BANGALORE : 9311733237	HUBLI : 9311733241
BHUBANESWAR : 9311622660	INDORE : 9311811650
CHENNAI : 9311733233	JAIPUR : 7428090125
DELHI : 7428796919	KOCHI : 9311733248
GURUGRAM : 9319088569	KOLKATA : 7428697590
GUWAHATI : 9289901740	LUCKNOW : 7428586872

NOIDA : 9311811653
PATNA : 9311622662
PUNE : 7428090120
RAIPUR : 9319088575
RANCHI : 9008416500



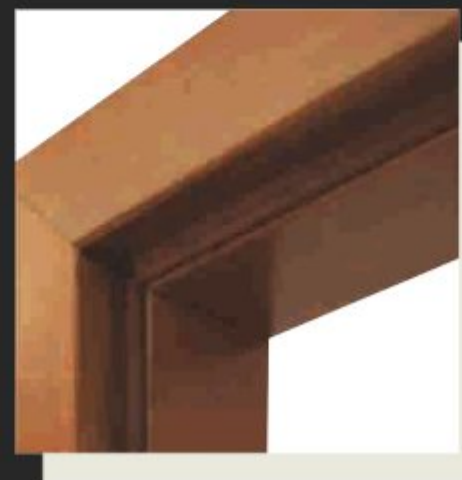
DOOR FRAMES



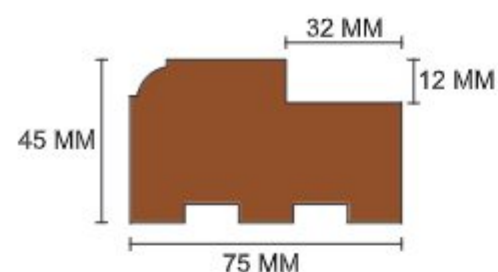
“ATITHI DEVO BHAVAH”

Chaukhat is the first attraction that a guest notices while entering your home. Our Indian Ethics teaches us “Atithi devo bhavah”. But no one will like to welcome these uninvited guests like termite & borer that multiply more in hot and humid condition and can gradually destroy our precious furniture, wardrobe, bed, cabinet, door etc. Our Product WPC chaukhat is free from termite & borer and is also water- proof.

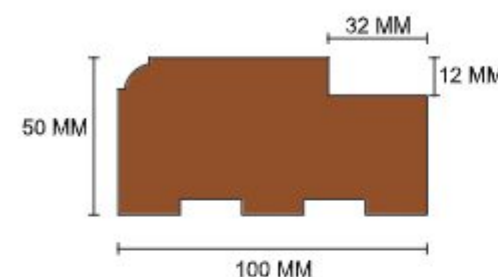
“YEH CHAUKHAT HAI SADA KAY LIYE”



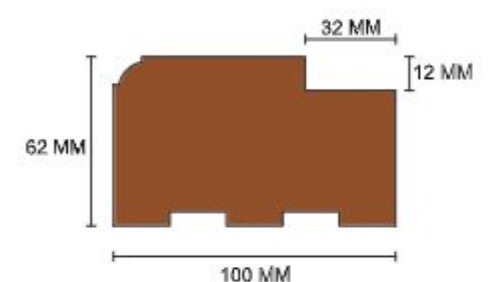
SECTION SIZE



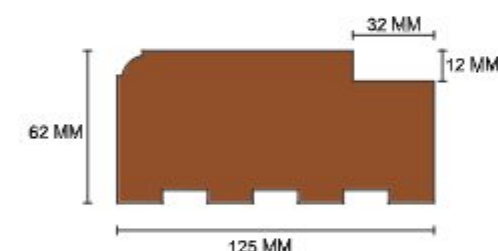
Product Code	HD/ADF-1
Size (MM)	75 X 45



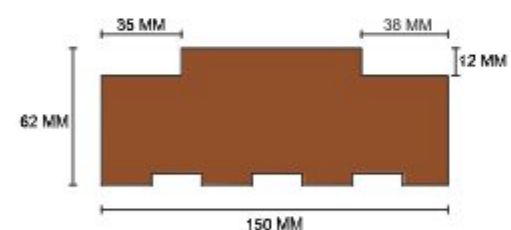
Product Code	HD/ADF-2
Size (MM)	100 X 50



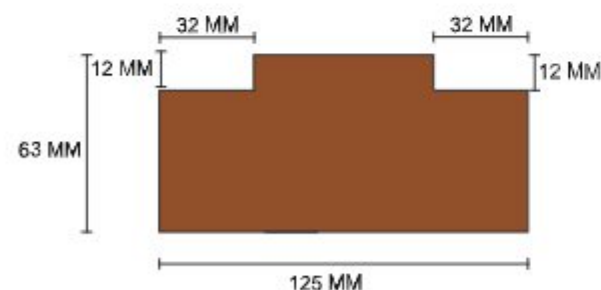
Product Code	HD/ADF-3
Size (MM)	100 X 62



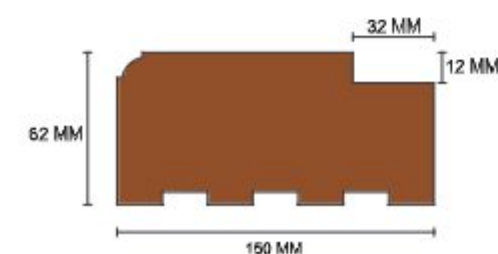
Product Code	HD/ADF-4
Size (MM)	125 X 62



Product Code	HD/ADF-5
Size (MM)	150 X 62



Product Code	HD/ADF-6
Size (MM)	125 X 63



Product Code	HD/ADF-7
Size (MM)	150 X 62

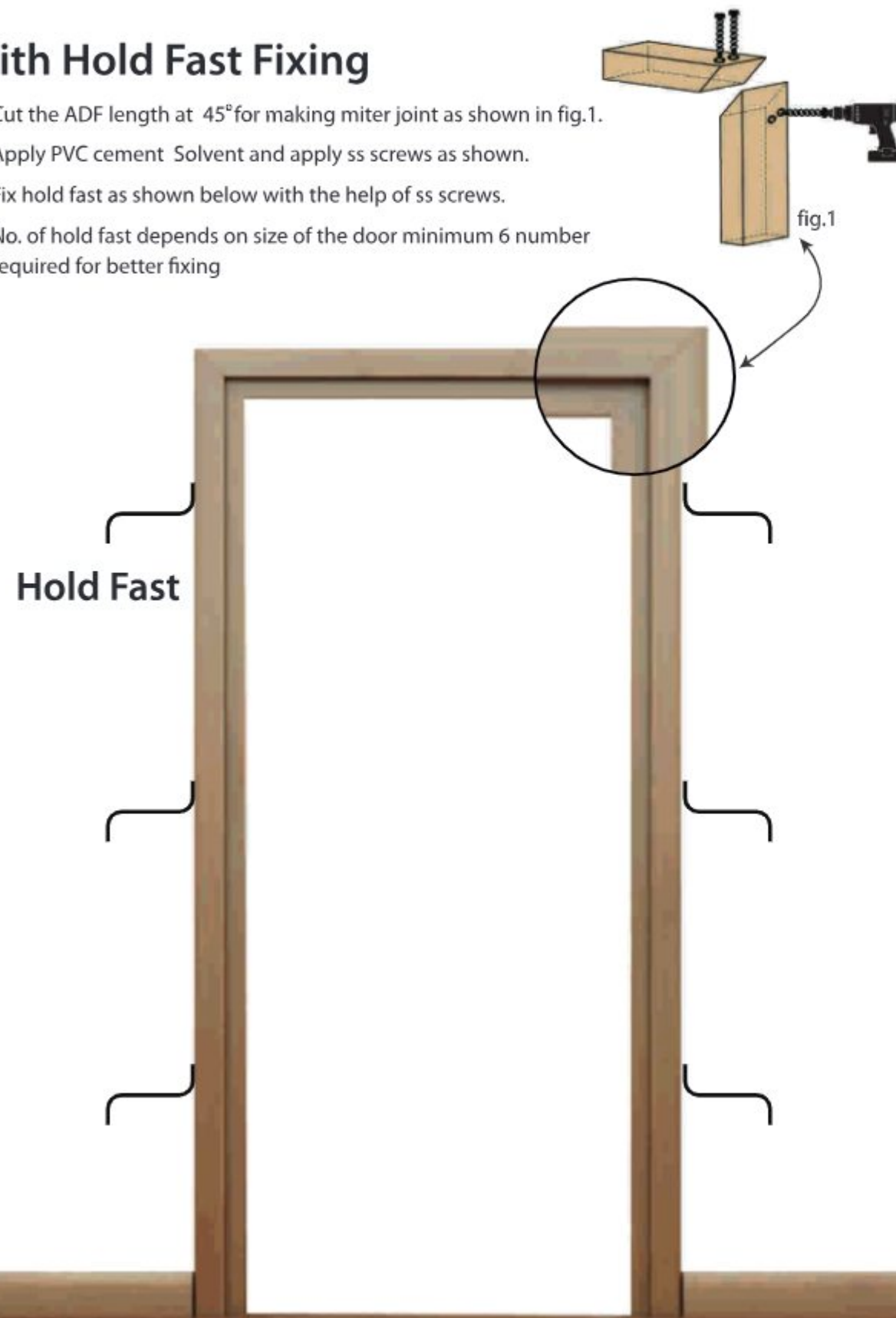
BENEFITS OF WPC DOOR FRAME VS WOODEN DOOR FRAME

FEATURE	WPC DOOR FRAMES	WOODEN DOOR FRAMES
TERMITE, BORER, FUNGUS, BACTERIA	100% Termite, Borer proof, even under moist condition no fungus and Bacteria develops on ADF.	Easily attacked by Termites, Borer. In wet areas it develops harmful Fungus.
WATER PROOF	ADF is 100% water proof even if it is dipped in water.	Wood has a tendency to absorb moisture.
FIRE RETARDANT	Fire Retardant as it doesn't catch fire on its own.	Wood is a natural fuel being used for cooking and catches fire easily and the major cause of fires in houses is the presence of wooden furniture. Hence it is not Fire Retardant
EXPANSION, BENDING & TWISTING SHRINKAGE	Even in changing weather conditions no bending and expansion.	Wood is prone to Bending and Twisting due to weather change.
WORKABILITY	Regular carpentry tools are enough to work on, no need for special equipment. 30% Labor cost savings in case of ADF.	Lot of carpentry work is needed to make a door frame. Loss of Labor, Time & Material in case of Wooden Door Frames
SURFACE COATING & MAINTAINENCE	It is very convenient to Paint, Polish and laminate the ADF with negligible maintenance cost.	Requires lot of preparation before final. Regular maintenance is required for Wooden Door frames as possibility of peeling off is very high.
SCREW HOLDING	ADF has high screw holding capacity of the ADF is very high (2200N).	screw holding capacity is not consistent. Screws get rusted in moist conditions.
LIFE OF FRAME	Very long life	No fixed life

FABRICATION OF DOOR FRAME

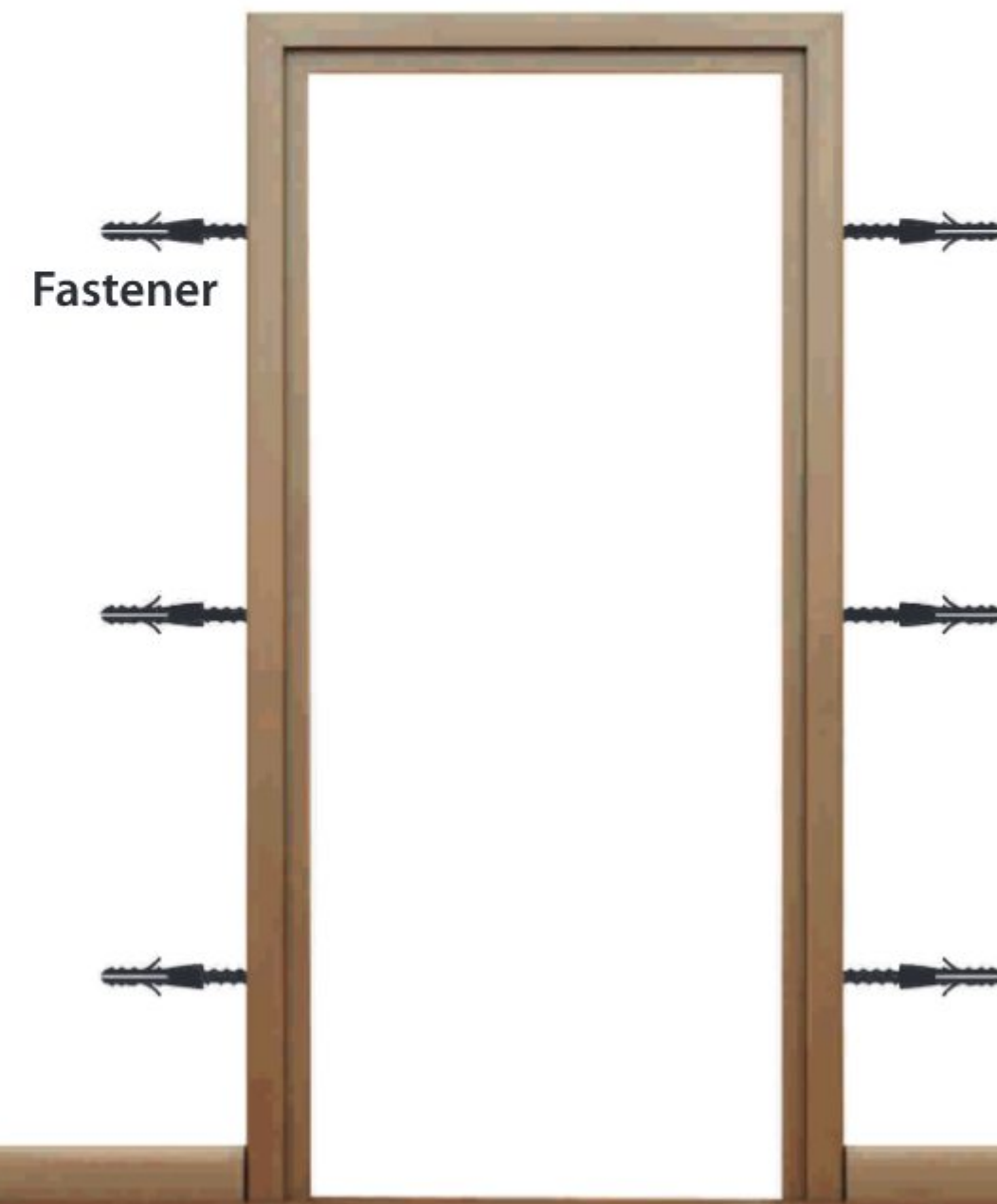
With Hold Fast Fixing

- Cut the ADF length at 45° for making miter joint as shown in fig.1.
- Apply PVC cement Solvent and apply ss screws as shown.
- Fix hold fast as shown below with the help of ss screws.
- No. of hold fast depends on size of the door minimum 6 number required for better fixing



With fastener Fixing

- Door frame can also be fixed with the help of fastener as shown below.
- 160x10 sized fastener with polymer sleeve may be used for fixing door frame.
- Holes created on frame may be covered by using pvc plug or by same material using adhesive.



ALSTONE WPC DOOR FRAMES

In Today's world Alstone WPC Door Frame has great edge over wooden frames, and it is now used in varies schools, hospitals, villas and personal homes in both commercial and residential application. It has great work ability better frame life with no testing and is robust enough to withstand any shrinkage. It can be painted as well as polished according to your needs.



TECHNICAL FEATURES

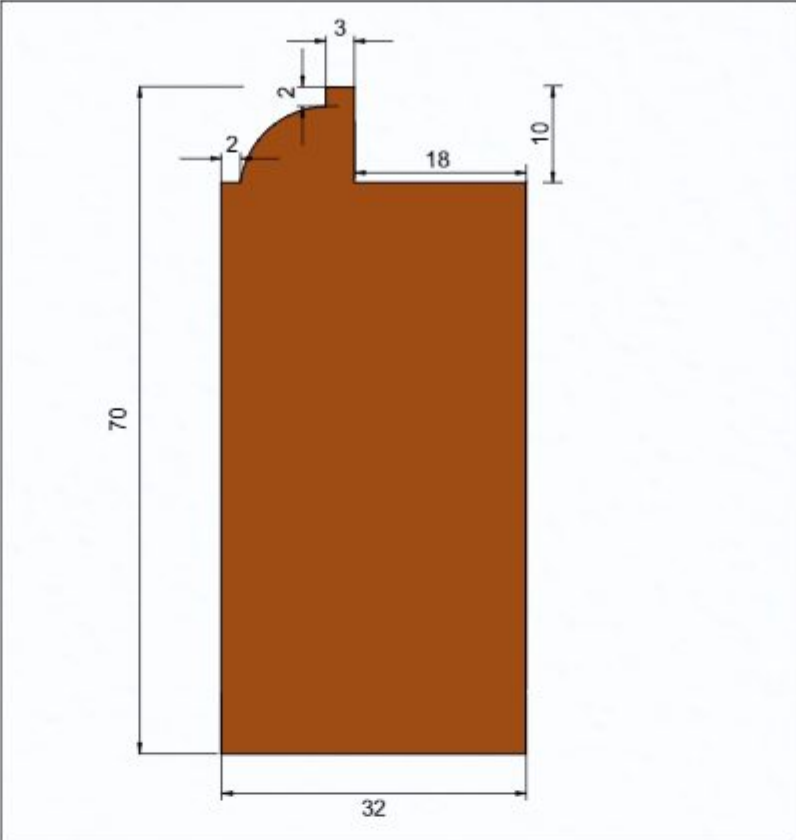
TEST	METHOD	UNIT	RESULT
DENSITY	ASTM D792	kg/m3	850
WATER ABSORPTION AFTER 2 HRS	IS: 2380	%	0.02
WATER ABSORPTION AFTER 2 HRS	IS: 2380	%	0.12
THICKNESS SWELLING AFTER 2 HRS	IS: 2380	%	0.06
MODULUS OF THE RUPTURE - AVERAGE	IS: 2380	N/mm2	14.3
MODULUS OF THE RUPTURE - MINIMUM INDIVIDUAL	IS: 2380	N/mm2	14.6
MODULUS OF ELASTICITY - AVERAGE	IS: 2380	N/mm2	1354
MODULUS OF ELASTICITY - MINIMUM INDIVIDUAL	IS: 2380	N/mm2	1293
SCREW WITHDRAWAL	IS: 2380	N	2310
TENSILE STRENGTH	ASTM D638	Mpa	7.6
CONGRESSIVE STRENGTH	ASTM D695	%	59
ELONGATION @ BREAK	ASTM D638	KJ/m2	2
CHARPY IMPACT STRENGTH	ASTM D6110	°C	6.83
HEAT DEFLECTION @ 0.45MPA	ASTM D648	°C	65.35
SOFTENING TEMPERATURE @ 1KG	ASTM D1525	Mg/kg	82.2
VOC EMISSIONS	EPA: 5035(by GCMS)		Below detectable limit
TERMITE RESISTANCE	IS 4833		No sign of termite attack
FUNGAL RESISTANCE	IS 4873		No sign of fungal attack
BORER RESISTANCE	IS 4873		No sign of borer attack

WINDOW SASH FRAME


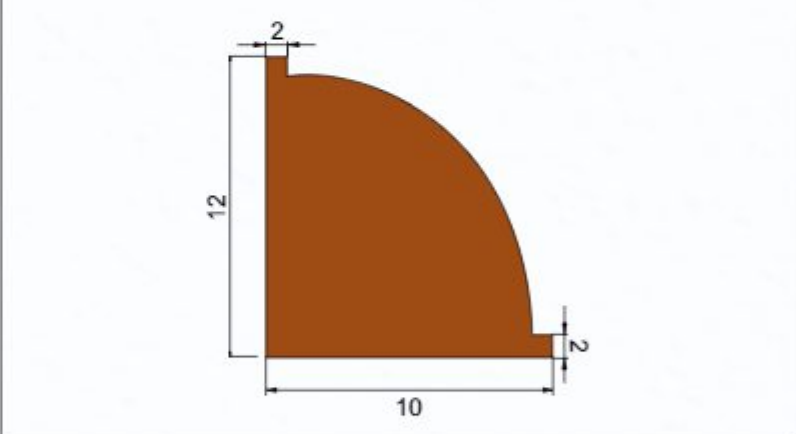
Windows have been a part of our homes for the last many years but traditionally it was all wooden, destroying the environment plus bringing unwanted guests like termites and borers. But not now, with Alstone WPC you get solutions to all your window problems. Whether you talk about protecting from different Weather conditions or from the freeloading guests like termite & borers, our sash frame has got your windows.



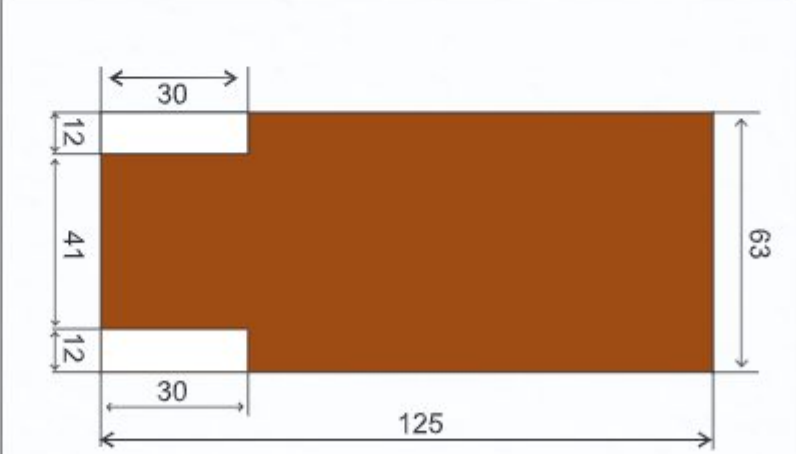
SECTION SIZES



Product Code	HD/ASF -1
Size (MM)	70 x 32 mm

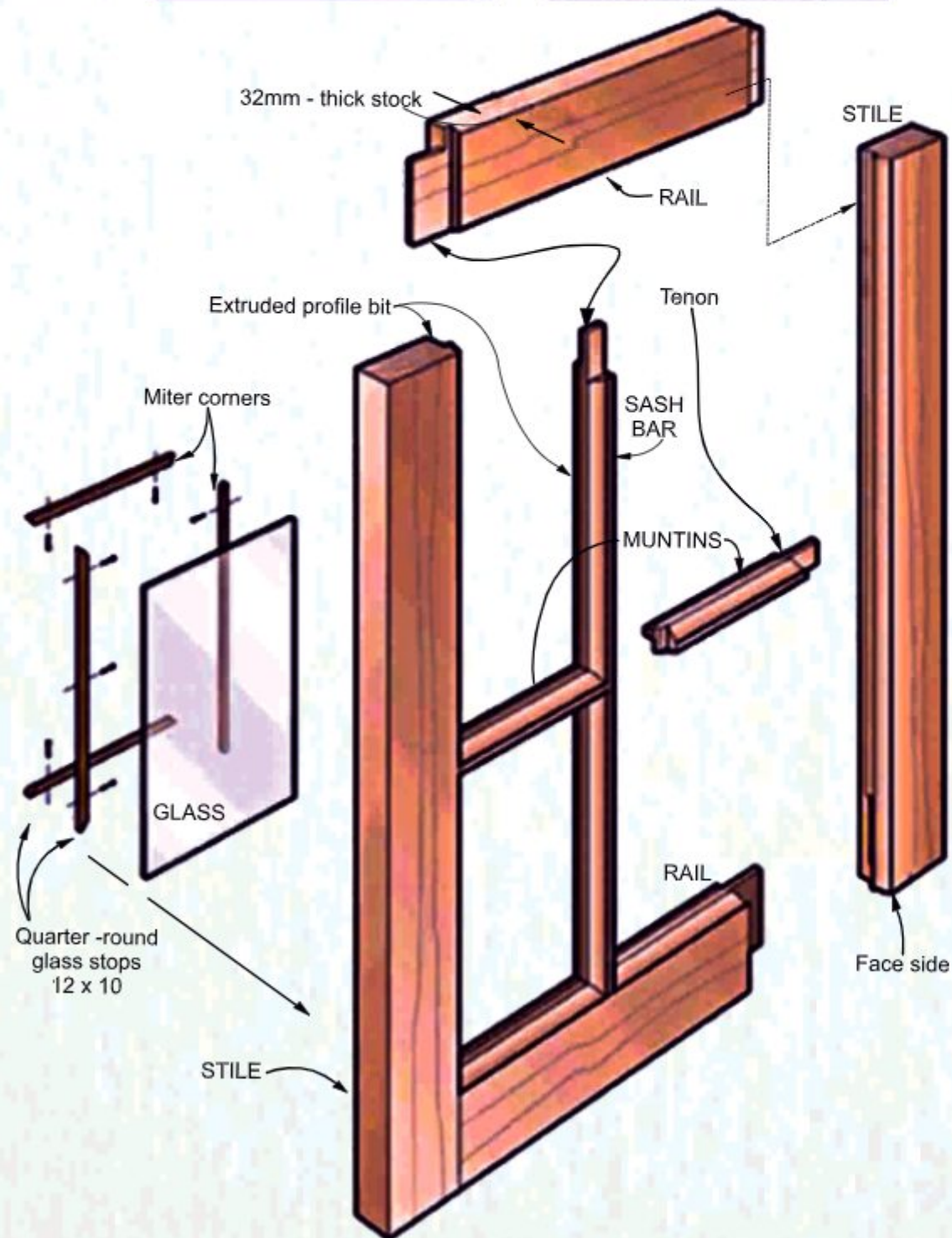
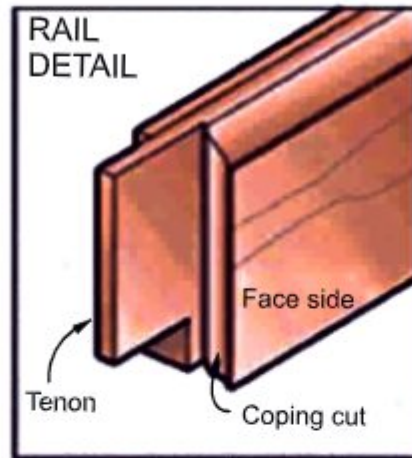
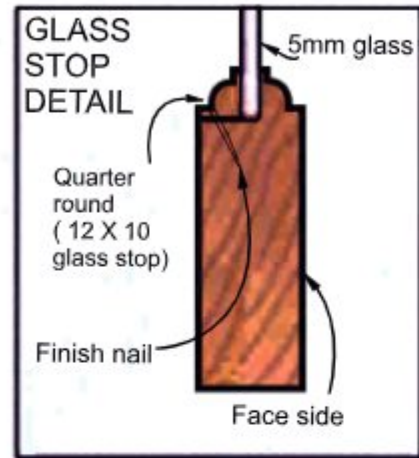


Product Code	HD/ASF -2
Size (MM)	10 x 12 mm



Product Code	HD/ADF -3
Size (MM)	125 x 63 mm

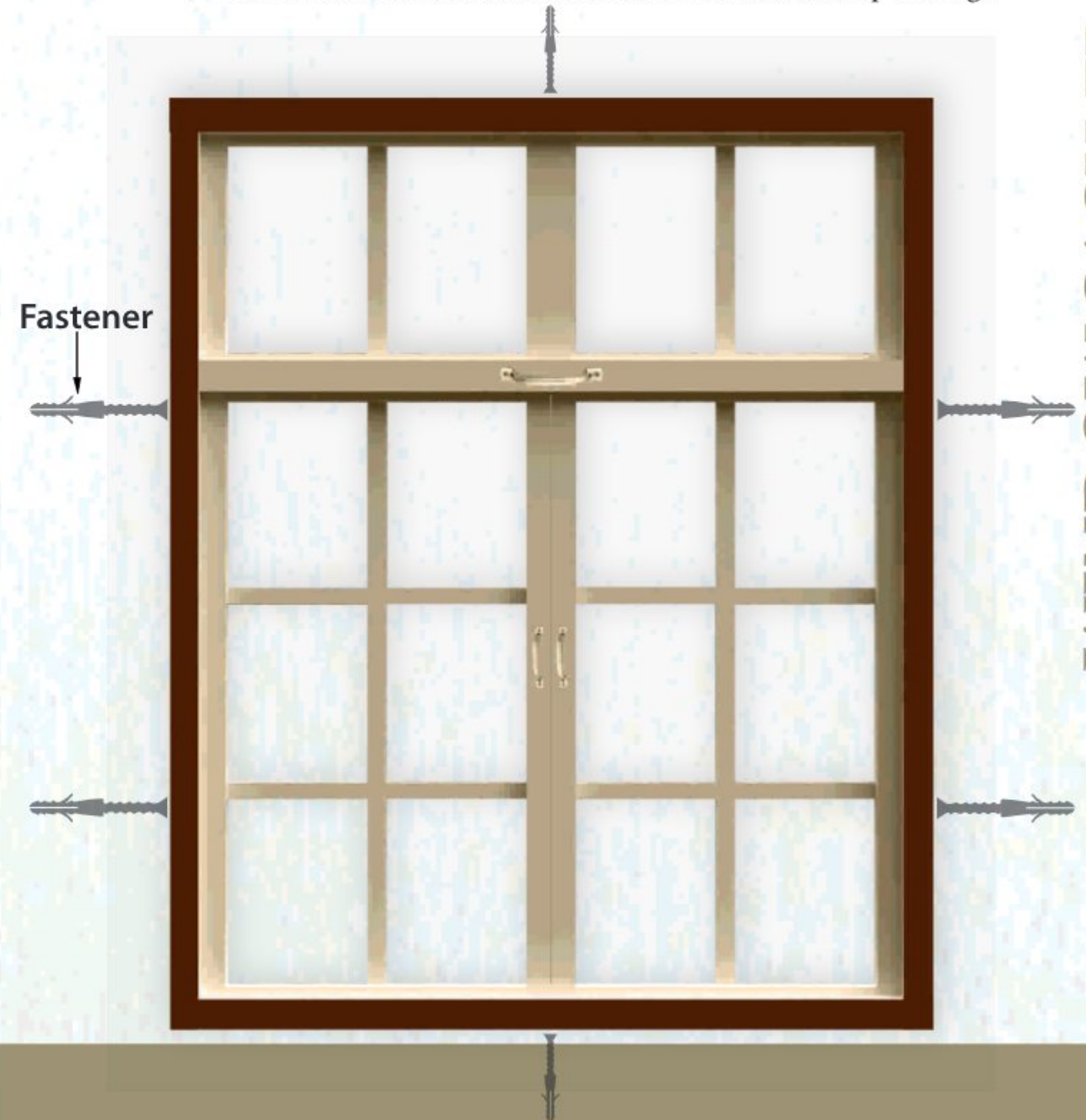
FABRICATION OF WINDOW SASH FRAME



WINDOW FRAME

With fastener Fixing

- Window frame can also fixed with the help of fastener as shown below.
- 160 x 10 sized fastener with polymer sleeve may be used for fixing sash frame.
- Holes created on frame may be covered by using pvc plug or by same material using adhesive
- Window frame can be mounted on frame with the help of hinge



TEST REPORT

WPC DOOR FRAME

SHIRAM INSTITUTE FOR INDUSTRIAL RESEARCH
(A unit of Shiram Scientific and Industrial Research Foundation)
19, University Road, Delhi - 110007 (India)
Website: www.shiramresearch.org
An ISO - 9001, 14001 & OHSAS 18001 Certified Institute

TEST CERTIFICATE NO: C1/00002297

Issued To: ALSTON INDUSTRIES PVT. LTD.
Job No: 1706-1-04-0490
Building No: BQ/1981/0249
Building Date: 27/06/2017
Customer Ref No: 25/06/2017
Customer Ref Date: 25/06/2017

Sample Description: ONE SAMPLE SUBMITTED AS SAMPLE - ALSTON WPC DOOR FRAME RECEIVED.
Sampling was performed by Shiram Institute for Industrial Research. Samples details provided in the test certificate are based on declaration by the party.

S.No	Result	Product/Standard
1. Density (kg/m³)	851	ISO 845-2006
2. Resistance to impact of hammer	Class A	As per standard IS-5542: Appendix A
3. Tensile strength per 100 gms of material	12.0	As per IS-1428

Indicated concentration of gases:

(a) Carbon Dioxide, ppm	167500
(b) Carbon Monoxide, ppm	8250
(c) Hydrogen sulphide, ppm	N/A
(d) Ammonia, ppm	N/A
(e) Formaldehyde, ppm	500
(f) Hydrogen Chloride, ppm	1500
(g) Acrylonitrile, ppm	N/A
(h) Sulphur dioxide, ppm	50
(i) Nitrogen Oxide, ppm	148
(j) Phenol, ppm	N/A
(k) Hydrogen Cyanide, ppm	63
(l) Hydrogen bromide, ppm	N/A
(m) Hydrogen fluoride, ppm	50
(n) Phosphine, ppm	75

Phone: 01-11-2700100, 2700727, 2700730 Fax: 01-11-2700227

WPC DOOR FRAME

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Sample Description: ONE SAMPLE SUBMITTED AS SAMPLE - ALSTON WPC DOOR FRAME RECEIVED.
Sampling was performed by Shiram Institute for Industrial Research. Samples details provided in the test certificate are based on declaration by the party.

S.No	Result	Product/Standard
4. Compressive strength, N/mm²	98	As per standard IS-1734(P100)-1983
5. Modulus of Elasticity, N/mm²	912	As per standard IS-1029-2006
6. Screw Withdrawal strength, N/mm²	2219	As per standard IS-2385(P-10)-1997
7. Screw Withdrawal strength, N/mm²	1127	As per standard IS-2385(P-10)-1997

Phone: 01-11-2700100, 2700727, 2700730 Fax: 01-11-2700227

WPC DOOR

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19, University Road, Delhi - 110007 (India)
Website: www.shiramresearch.org
An ISO - 9001, 14001 & OHSAS 18001 Certified Institute

TEST CERTIFICATE NO: C1/0000101804

Issued To: ALSTON INDUSTRIES PVT. LTD.
Job No: 1706-1-04-0490
Building No: BQ/1981/0249
Building Date: 27/06/2017
Customer Ref No: 25/06/2017
Customer Ref Date: 25/06/2017

Sample Description: ONE SAMPLE SUBMITTED AS SAMPLE - ALSTON WPC DOOR WAS RECEIVED.
Sampling was performed by Shiram Institute for Industrial Research. Samples details provided in the test certificate are based on declaration by the party.

S.No	Result	Product/Standard
1. Density, kg/m³	857	ASTM D 1622-03
2. Filler Content, %	14.5	Thermogravimetric analysis (TGA)
3. Flexural Modulus, MPa	1182	ISO 178:2003
4. Vicat Softening Temperature, °C	85	ISO 306:2013
5. Resistance to Impact by Falling Mass (Using 1 kg falling mass after conditioning at -10°C for 3 hrs.)	Noted	IS-5542-1999
6. Heat Resistance, %	1.1	IS-5542-1999
7. Toughness of Profile (Charpy Drop method)	90	EN 1268:2003

Phone: 01-11-2700100, 2700727, 2700730 Fax: 01-11-2700227

WPC DOOR

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Job No: 1706-1-04-0490
Building No: BQ/1981/0249
Building Date: 27/06/2017
Customer Ref No: 25/06/2017
Customer Ref Date: 25/06/2017

Sample Description: ONE SAMPLE SUBMITTED AS SAMPLE - ALSTON WPC DOOR WAS RECEIVED.
Sampling was performed by Shiram Institute for Industrial Research. Samples details provided in the test certificate are based on declaration by the party.

S.No	Result	Product/Standard
8. Exposure Condition: Duration: 108 hrs Temp: UV A Wavelength: 340 nm Irradiance: 0.89 ± 0.10 W/m² UV cycle 3 hrs at 60 ± 2 °C Black Panel Temperature Condensation cycle for 4 hrs at 50 ± 2 °C Black Panel Temperature	ASTM G 154-16	
(a) Tensile Impact Strength, J/m	11.4	
(b) After UV Exposure	18.1	
(c) After UV Exposure	11.2	

Phone: 01-11-2700100, 2700727, 2700730 Fax: 01-11-2700227

APPROVALS

CPWD

Office Memorandum

Subject: Approval of "ALSTONE" brand for Wood Polymer Composite sheets for inclusion in the "Preferred Make List" in the NITs of Project Region Delhi.

The Brand "ALSTONE" manufactured by M/s Alstone Industries Pvt. Ltd. at Kharsa No. 420, RICO Road, Keshwana, Keshwana Road, Dist. Jaipur, Rajasthan may be included in the list of preferred make in the NITs for the works under the jurisdiction of ADG (PRD), New Delhi for the following products:

S. No.	Name of product	Validity
1.	Wood Polymer Composite material for door window frames, solid plain flush door shutters/solid decorative flush door shutters, solid plain/paint-primed boards for cupboards and solid plain white colour join.	Two years from the date of issue of this letter.

Conditions:

- This approval for inclusion in the preferred make list of NITs has been given on the specific request of the company. It is purely the discretion of NIT approving authority to include or exclude the approved product in the preferred make list of NIT.
- The approval will be cancelled if material does not conform to laid-down quality standards and / or the company resorts to unethical practices which are not acceptable to the department.
- The approval will also be cancelled at any time if it is found that the information submitted by the company to this office was incorrect.
- The field officers are requested to ensure that the product brought at site / proposed to be used for work is as per approved / laid-down specifications. In case if the product is not as per laid-down specifications the same should be recommended to this office for cancellation of approval.
- This approval will not absolve the responsibility of field officers.
- Since there may be wide variation in the reliability of certain items, it is enjoined upon the NIT approving authorities to check similarity/equivalency at their end.
- This approval shall not make the firm eligible for claiming the right to get the work done / items procured through them only. The Work procurement is subject to firm's competitive offers against other competing manufacturers, brands suppliers as mentioned in the NIT.

PWD

CORRIDUM-2

Name of Work: Construction of Pura School Buildings (G-2) with Auxiliary Facilities including internal water supply, sanitary installations, internal electrical installations and development of site at Jangpura Site-II (Aya Nagar) & Salsagar New Delhi. (SH: Civil and Electrical Composite Work).

As a confirmation of corrigendum No. 1 issued vide Chief Engineer (Project) office letter no. 22/07/2019 CE (Proj) / PWD South-West dated: 16.02.2021. The following correction/modification is made in the NIT.

S. No.	Page No. & Para No.	As per Original NIT	Modified as
1.	Page No. 22, Clause 12.2 & 12.3	For construction work, Deviation limit beyond which clause 12.2 & 12.3 shall apply for building work is: Superstructure & Foundation work (except items mentioned in each work with limit and extent items): 100% (One Hundred Percent)	For construction work, Deviation limit beyond which clause 12.2 & 12.3 shall apply for building work is: Superstructure & Foundation work (except items mentioned in each work with limit and extent items): 100% (One Hundred Percent)
2.	Page No. 203, Clause 12.2 & 12.3	Deviation Limit beyond which clause shall apply for building work: 100% (One Hundred Percent)	Deviation Limit beyond which clause shall apply for building work: 100% (One Hundred Percent)

LIST OF APPROVED MAKES OF (CIVIL WORKS)

S. No.	Page No. & Para No.	As per Corrigendum-1	Modified as
3.	Page No. 117, Clause 94	ALSTONE, B.V.V. (VARDHMAN COMPOSITE INDUSTRIES) PLASTWOOD/ECOSTE	ALSTONE, B.V.V. (VARDHMAN COMPOSITE INDUSTRIES) PLASTWOOD/ECOSTE ARCHISPLY
4.	Page No. 117, Clause 94	ALSTONE, B.V.V. (VARDHMAN COMPOSITE INDUSTRIES) PLASTWOOD/ECOSTE	ALSTONE, B.V.V. (VARDHMAN COMPOSITE INDUSTRIES) PLASTWOOD/ECOSTE ARCHISPLY

PART C ELECTRICAL

S. No.	Page No. & Para No.	As per Corrigendum-1	Modified as
5.	Page No. 272, Item No. 1, PVC CONDUIT & accessories (B/M)	1. BSC 2. ANG 3. MLC 4. Nupack 5. B.M. COM	1. BSC 2. ANG 3. MLC 4. Nupack 5. BSCOM
6.	Page No. 272, Item No. 2, GI Conduit / MS Conduit (B/M)	1. BSC 2. ANG 3. MLC 4. Steel Craft 5. B.M. COM	1. BSC 2. ANG 3. MLC 4. Steel Craft 5. BSCOM

NORTHERN RAILWAY

Northern Railway

Headquarters Office, Baroda House, New Delhi.

No. 10-W/O/Police/Building (2020)

Date: 08/03/2020

Subject: Approval of "ALSTONE" brand for Wood Polymer Composite sheets for inclusion in the "Preferred Make List" in the NITs of Project Region Delhi.

The Brand "ALSTONE" manufactured by M/s Alstone Industries Pvt. Ltd. at Kharsa No. 420, RICO Road, Keshwana, Keshwana Road, Dist. Jaipur, Rajasthan may be included in the list of preferred make in the NITs for the works under the jurisdiction of Chief Engineer, CPWD Raipur.

Following products manufactured by Alstone Industries Pvt. Ltd. may be included in the list of approved make in the NITs for the works under the jurisdiction of Chief Engineer, CPWD Raipur.

Sr. No.	Name of Product	Brand name/manufacture	Remarks/Validity
1.	WPC Door Frames	Alstone Industries Pvt. Ltd.	Validity upto 1 (one) year from the date of issue of this letter.
2.	WPC Solid Plain/Decorative Door Shutters		
3.	WPC Solid Plain Joinery		
4.	WPC Board		

However the approval of sample and quality for the above approved product shall be ensured by the respective Engineer-in-Charge as per agreement conditions.

Continuance of this inclusion and further renewal is subjected to satisfactory quality performance of the product of the manufacturer.

This is issued with the approval of Chief Engineer, CPWD, Raipur.

Executive Engineer (C)
0/0 CE, CPWD, Raipur

Copy to:-

- Executive Engineer, CPWD, Raipur for information.
- Architect, CPWD, Raipur for information.
- Alstone Industries Pvt. Ltd., ALSTONE HOUSE 26/7, Bandrawala Extension, New Delhi-110055.

CPWD, RAIPUR

OFFICE ORDER

Subject: Inclusion of name Alstone WPC Product in the list of approved makes in tender documents under CE, Raipur.

Following products manufactured by Alstone Industries Pvt. Ltd. may be included in the list of approved make in the NITs for the works under the jurisdiction of Chief Engineer, CPWD Raipur.

Sr. No.	Name of Product	Brand name/manufacture	Remarks/Validity
1.	WPC Door Frames	Alstone Industries Pvt. Ltd.	Validity upto 1 (one) year from the date of issue of this letter.
2.	WPC Solid Plain/Decorative Door Shutters		
3.	WPC Solid Plain Joinery		
4.	WPC Board		

However the approval of sample and quality for the above approved product shall be ensured by the respective Engineer-in-Charge as per agreement conditions.

Continuance of this inclusion and further renewal is subjected to satisfactory quality performance of the product of the manufacturer.

This is issued with the approval of Chief Engineer, CPWD, Raipur.


Executive Engineer (C)
0/0 CE, CPWD, Raipur

Copy to:-

- Executive Engineer, CPWD, Raipur for information.
- Architect, CPWD, Raipur for information.
- Alstone Industries Pvt. Ltd., ALSTONE HOUSE 26/7, Bandrawala Extension, New Delhi-110055.

APPROVALS

DRDO

Tel: 011-26127758 011-26127759 011-26144482 011-26144483 Fax: 011-26125297 E-mail: correspond@defence.gov.in M/s Astute Industries Pvt Ltd Address: House No. 28/7 Chanderprabha Extn, New Delhi - 110028		No. GCE (R&D) CORRIGENDUM/8888-21 Government of India, Ministry of Defence Defence Research & Development Orgn. Chief Construction Engineer (R&D) Central Raj Tula Ram Marg, Behind Army HQ Camp, Delhi Cantt - 110 010 Date : 03 Sep 2020
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SUB : APPROVAL OF MS ASTUTE INDUSTRIES PVT LTD FOR SUPPLY OF PRODUCTS FOR IMPROVED PROJECTS

This is glad your submission of request regarding the consideration of Ms.Astute Industries Pvt Ltd as approved vendor for the product categories mentioned in the subject line for our approval process.

2. In this regard, we would like to inform you that our Board of Officers concerned for approval of products has duly considered your submission concerning technical specifications of products, test facilities and references. Data the firm would like to inform you that we have "No objection" from defence industries Pvt Ltd against its construction materials, manufacturing products and protective coatings in existing and upcoming projects of ODS/R&D Central DRDO. The products deemed fit are listed as below:

CATEGORY	PRODUCT
Single textured wood polymer composite solid board	ALSTONE HYBRID BOARD (HPC)
Single extruded fire laminated decorative wood polymer composite	ALSTONE HYBRID BOARD (HPC)
Single extruded wood plastic composites solid doors/windows/particulary windows and other household items	ALSTONE HYBRID BOARD (HPC)
Single extruded wood polymer composite solid door-Rush door shutters	ALSTONE HYBRID BOARD (HPC)
Single extruded wood polymer composite solid decorative flow door shutter	ALSTONE HYBRID BOARD (HPC)
Single extruded wood polymer composite solid board one side white and other side pre laminated with PVC film	ALSTONE HYBRID BOARD (HPC)
Single extruded wood polymer composite solid plain white color board for looking of kitchen and bathroom cabinets etc.	ALSTONE HYBRID BOARD (HPC)
Single extruded wood polymer composite solid plain white colored board for machine cut with CNC machines	ALSTONE HYBRID BOARD (HPC)
Single extruded wood polymer composite solid sheet	ALSTONE HYBRID BOARD (HPC)
PVC wall coating	ALSTONE
Single surface polymer composite flooring	ALSTONE FLOOR JTRIA
General purpose and architectural sealants	ALSTONE SILICONE SEALANT
Adhesives	ALSTONE SILICONE SEALANT

MES

Tale No. 172-286373

Weekly reports
Chief Engineer
Weapons Command
P.W. - (08 543)
C/O S&AFHQ
01 Mar 2020

301881 INP/CDST/12/12/12/12/12

HQ GF, GF Command

HQ GF, GF Command

HQ GF, GF Command

HQ GF, GF Command

HQ GF, GF Command

HQ GF, GF Command

HQ GF, GF Command

PRODUCT APPROVAL

1. Approval of the product for use in the GF, for the year 2020.

2. The product is a product of the GF, for the year 2020.

3. Approval in terms of the product for use in the GF, for the year 2020.

(a) HQ GF, GF Command

(b) HQ GF, GF Command

Go - N (Name: ALISTON)

4. The approval of the product for use in the GF, for the year 2020, is a product of the GF, for the year 2020.

5. Further approvals / details of the product for use in the GF, for the year 2020, can be obtained from the manufacturer at the address provided.

6. The time is required to give feedback / supply of approved items to the GF, for the year 2020.

7. Further continuation of the product for use in the GF, for the year 2020, is a product of the GF, for the year 2020.

8. Further continuation of the product for use in the GF, for the year 2020, is a product of the GF, for the year 2020.

(Signature)
Chief Engineer
Weapons Command
P.W. - (08 543)
C/O S&AFHQ

Tale No. 172-286373

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
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CPWD - DSR



Directorate, CPWD
DD/DSR/43
NIRMAN BHAVAN, NEW DELHI - 110011.

This issue with the approval of DD, CPWD.


NIRMAN BHAVAN NEW DELHI	DATE: 07/ 08/2019
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OFFICE MEMORANDUM

Subj: Correction slip no 11 Delhi Schedule of Rates 2018.

The following new items of W.P. Items in painting: Cabinets, Doors, Windows etc. is included in DSR 2018 under 54-26 (New Technologies and Materals)


Code No	Description	Unit	Rate
25.85	Providing and fixing factory made single stranded WPC (Wood Polymer Composite) solid door/window/doorcase window & other frames/doorcase/ window consisting of high P.V.C. polymer of 8 value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/straw husk), and non toxic additives (maximum tensile index of 11 to 100 gms) fabricated with inter joints after applying POC solvent cement and secured with full body threaded star headed SS screws having minimum tensile strength of 750 kg/cm ² , screw withdrawal strength of 2200 N (Pace) & 1100 N (edge) minimum compressive strength of 58 N/mm ² , modulus of elasticity 918 N/mm ² and resistance to spread of flame of Class C category with property of being termite/boiler proof, water/moisture proof and fire resistant and fixed in position with M5 long fastenings/SS dash fastenings of required dia and length, complete as per direction of Engineer-in-Charge. (M5 solid fastenings or SS dash fastenings shall be used for security).		
	Note: For WPC solid door/window frame, minor items taken up in dimensions i.e. depth and width of profile shall be acceptable. Variation in profile dimensions on plus side shall be acceptable but no extra payment on this account shall be made.		
26.86.1	Frame size 45 x 70 mm	metre	
26.86.2	Frame size 45 x 85 mm	metre	
26.86.3	Frame size 50 x 100 mm	metre	
26.86.4	Frame size 50 x 125 mm	metre	
26.86.5	Frame size 60 x 100 mm	metre	



DD (DSR)


NO

CPWD - DSR

26.86.5	Frame size 65 x 125 mm	metre
26.86.7	Frame size 65 x 150 mm	metre
26.87	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain flush door (butter of required size comprising of virgin polymer of x value 58-83 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/ wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 3800 N (face) & 900 N (edge), minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/termite proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In-Charge. (Note: stainless steel butt hinges and necessary S.S screws shall be paid separately)	
26.87.1	30 mm thick	sqm
26.87.2	35 mm thick	sqm
26.88	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid decorative type flush door (butter of required size comprising of virgin polymer of x value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/ wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 3800 N (face) & 900 N (edge), minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/termite proof, water/moisture proof and fire retardant WPC to be laminated with PVC foil of minimum 14 microns thick of approved design pasted with hot melt adhesive on both faces of shutter and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In-Charge. (Note: stainless steel butt hinges and necessary S.S screws shall be paid separately)	
26.88.1	30 mm thick	sqm
26.88.2	35 mm thick	sqm





GRIHA



GRIHA Council

This is to certify that the product:

"Alstane Industries Pvt. Ltd."

Alstane-Wood Polymer Composite (WPC)

has been included in the GRIHA Product Catalogue under the following categories:

GRIHA V.3 criterion: 17
GRIHA V.2015 criterion: 21
&
SVAGRIHA criterion: 11

The product can be used in GRIHA & SVAGRIHA registered projects to meet the GRIHA & SVAGRIHA norms, respectively. This is valid only for the product which has been mentioned above.

The certificate for the above mentioned product is valid from
15th October 2021 - 14th October 2023


Sanjay Seth
Chief Executive Officer

Note: This evaluation has been done based on the documentation. In the form of self-declaration and/or on-site observation, submitted by the manufacturer to GRIHA Council.

GRIHA Council is a joint initiative of Ministry of New and Renewable Energy, Government of India and The Energy and Resources Institute (TERI) to implement GRIHA (Green Rating for Integrated Habitat Assessment), India's National Rating System for Sustainable Buildings.
www.griha-india.org

ISO

OUR CLIENTS / APPROVALS

The image displays six logos of Indian public sector undertakings (PSUs) arranged in a 3x2 grid. Each logo is contained within a rounded rectangular frame. The logos are: 1. SHC (Steel Housing Corporation) - A green circular logo with a stylized 'A' and 'SHC' text. 2. GSECL (Gujarat State Electricity Corporation Limited) - A red square logo with a stylized house icon and the text 'गजपट्टा स्टेट विद्युत' and 'गजपट्टा स्टेट विद्युत निगम'. 3. Protech - A logo with the word 'protech' in red and black, and a stylized building icon. 4. Utkal Builders - A logo with a stylized building icon and the text 'Utkal BUILDERS' and 'Creating the art of life'. 5. BHEL (Bharat Heavy Electricals Limited) - A red circular logo with a stylized 'B' and the text 'भारतीय भारतीय भारतीय भारतीय' and 'Bharat Heavy Electricals Limited'. 6. AAU (Airports Authority of India) - A blue logo with a stylized figure and the text 'भारतीय विमानमय विमानमय' and 'AIRPORTS AUTHORITY OF INDIA'.