



“ TECHNOLOGY, ENVIRONMENTAL FRIENDLY, STRENGTH, FROM ACTION”



PRODUCT GALLERY



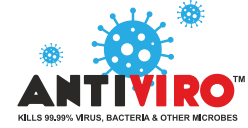
•MDF •PARTICLE BOARD •BOILO - BWP HDF BOARD •HDHMR BOARD •HDHMR DOOR



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New Vol-2, June 2022

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INTRODUCTION

SOME OF OUR PRESTIGIOUS CUSTOMER

- Samsung • Tata Motors • Mercedes-Benz • China Embassy
- Wipro • Godrej • Sony Bravia • HP Computer • Mantri Developers • Van Heusen • Madame • VIP Luggage • Lakme
- Space Wood • Raymond Showroom • Jupiter Craft
- Elder Craft • Ansal API • Omaxe • Ajnara India • DLF
- TATA Housing • OYO Rooms • EVOK

- GOVT. CLIENTS**
- AIIMS • BSNL • CPWD • DGMAP • DSIDC
 - EPIL • EIL • GAIL • HP • HSCC • IISER • IRCON
 - LIC • MCD • MDU • MTNL • NTPC • RITES

action TESA PRODUCT RANGE

PRODUCT NAME	PAGE NO.
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PRELAMINATED & PLAIN PARTICLE BOARD

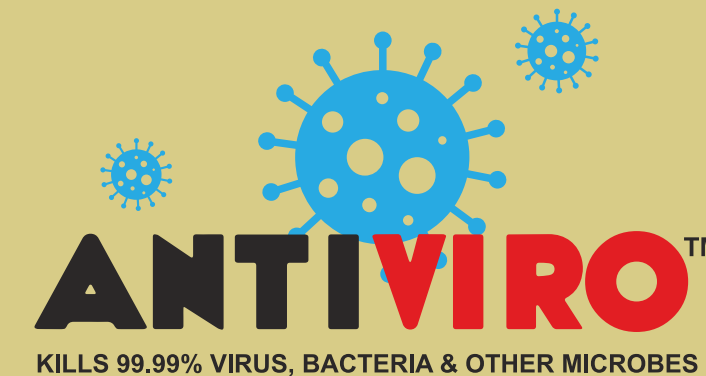


Action Tesa first time in country has introduced European Quality Particle/Chip boards which is being manufactured by DOME Technology. The German "ClassiForm® Chip Grading" system ensures precise grading of the wood chips in the Particle Board ensuring a balanced core-to-surface chip size gradation. This results in perfect homogeneity hence a balanced & strong panel with very good screw holding capacity.

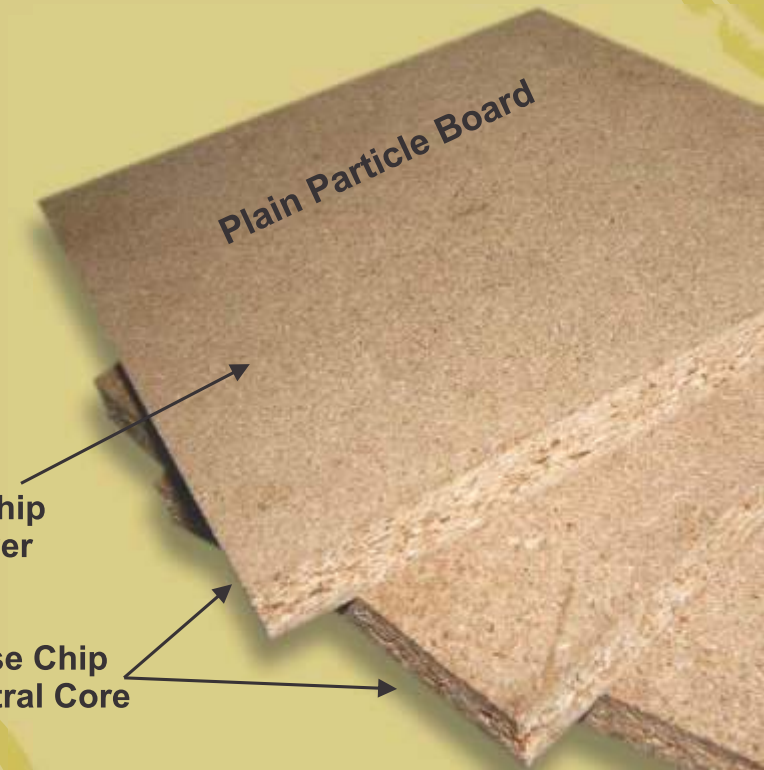
Drying system for wood chips has been imported from MEC USA to give even moisture distribution in board resulting in structure stability of product. Inhouse glue is being manufactured for all products to make sure that all product must have reliable and stable quality in every lot.

Pre-lamination is the pressing of MF impregnated decorative or solid color paper with uniform density & porosity on a Particle Board surface under controlled temperature & pressure in a define pressing cycle.

FOR PRODUCT SIZES AND THICKNESS, PLEASE REFER SIZE MATRIX



NOTE : ANTI VIRO BOARD, AVAILABLE IN PRELAMINATED PARTICLE BOARD





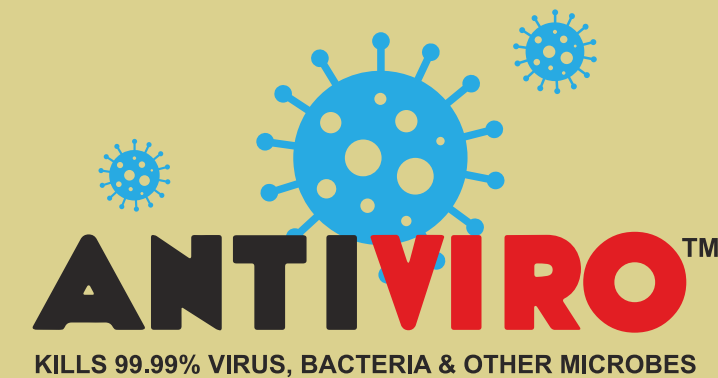
PRELAMINATED MDF BOARD



Decorative Melamine impregnated paper is pressed on to the surface of our MDF panel which has a design/decorsurface which is factory finished. Action TESA has wide range of shade in both solid & wood grain shades rendered by specialized imported decor paper from Europe and other countries with uniform glue absorption properties. Action TESA today has the largest prelamination capacity in the country.

Types of surface finish - Matt & Suede.

FOR PRODUCT SIZES AND THICKNESS, PLEASE REFER SIZE MATRIX



Variants Available : Pre-laminated MDF are being offered in One Side Laminated (OSL), Both Side Laminated Board (BSL), One Side Raw & Other Side Balancing(OSR). Both Side Balancing (BSB).



MEDIUM DENSITY FIBRE BOARD



MDF is wood fibre based panels. The unique feature of MDF is that it has a homogeneous construction without layers. MDF an acronym for Medium Density Fibre Boards

All TESA Fibre boards are being manufactured with Hard wood so automatically the density of our product become better than other products available in market. Our Boards are having best routing characteristics due to special German Technology used to press the boards in a way so that compression pressure can reach to its core also thus making densified core which is required for high quality routing.

The key application areas of MDF :

- Decorative Wall cladding in routed wave form or Jalies
- Wooden Handcraft items/Toys & Puzzles
- Educational Tools/Aids & casing for scientific instruments/Model making for civil construction
- Exhibition Stalls & Display/POP
- Automotive Interior cladding & paneling
- Photolamination substrate
- Routing & carving of Trophies/Gift items
- Routed Shutters for Kitchens & Wardrobes with membrane or polished surface.

FOR PRODUCT SIZES AND THICKNESS, PLEASE REFER SIZE MATRIX



TESTED
999+
CYCLES

ABRAZE
Highly scratch resistant



Another 1st from Action TESA Super Scratch Resistant Pre-laminated MDF Board

Presenting **Action TESA ABRAZE**, a Super Scratch Resistant Pre-Laminated MDF Board. It not only have high abrasion value of more than **999+** revolutions, also it is Borer and termite resistant too. To make it simple, ABRAZE is a low-cost alternative to stone, granite and other hard surfaces that makes it the first choice of Users and Manufacturers both.

Why Choose ABRAZE?

Ordinary Laminate Boards can leave your clients unhappy with faded designs and color. The reason is simple, ordinary laminate boards comes with a low abrasion value of 150 – 450 revolutions, and it fail to protect the furniture.

The key application areas: •Office & Residential Furniture •Cafeteria
•Kitchen Shutters •Desk •Hospital and many more....

FOR PRODUCT SIZES AND THICKNESS, PLEASE REFER SIZE MATRIX

- Steam & Heat Resistance • High Wear & Tear Resistance
- Ready To Use Board • Antiviro Board •Environment Friendly





acti on
TESA
Boilo
BOILING WATER PROOF HDF BOARD

Har Challenge Ke Liye Taiyar

- ✓ TERMITE & BORER PROOF
- ✓ BOILING WATER PROOF
- ✓ HIGH LOAD BEARING
- ✓ TOUGHENED SURFACE
- ✓ ENVIRONMENT FRIENDLY
- ✓ FIRE RETARDANT
- ✓ HIGH IMPACT RESISTANCE
- ✓ HIGH DIMENSION STABILITY
- ✓ FUNGUS RESISTANCE
- ✓ HIGH DENSITY

FIRE RETARDANT

TESTED AS PER STANDARD OF
 FIRE RETARDANT PLYWOOD (IS 5509 : 2000)
 FLAME RETARDANT 3 TIMES MORE AGAINST PASSING
 PARAMETER OF IS 5509 : 2000 - FIRE RETARDANT PLYWOOD

NOTE : ANTIVIRO BOARD, AVAILABLE IN PRELAMINATED BOILO BOARD

BOILING WATER PROOF HDF BOARD

1st Time in Panel Industry across the globe Action TESA has introduced a unique product BOILO- BWP HDF BOARD "BOILING WATER PROOF HDF BOARD". Due to inherent properties of BWP, HDF & Thermal Resistance this product is highly suitable in interior applications having wet conditions, high load bearing surfaces, high traffic & high temperature areas.

Available in - 8mm, 12mm, 16mm & 18mm (Plain & Prelam) - OSL/BSL/BSB/ORD
Size: 8 x 4ft (8 x 6 ft available in 12mm only)

KEY APPLICATION AREA : • Restroom Toilet Cubicle • Thermal Insulation
 • Load Bearing Area – Decking / Warehouse Shelves/ Staircases • Container Floor
 • Truck Floor • Bus Body Floor • Bathroom Partition • Fire Retardant Application
 • Flooring • Wall Paneling • Furniture • Fixtures • Modular Kitchen
 • Wardrobes • Moist Area Furniture • Stage Flooring • Sports Flooring





KEY APPLICATION AREAS • Cafeteria • Gyms • Desk and Lockers, • Schools and Colleges
 • Hospital • Office and Residential Area • Kitchen Shutters • Furniture where risk of moisture exist
 • Door Shutters • Packing Industry • Partitions • Outdoor Fixtures like election cutouts and similar applications.

TRUTH
Calibrated Panel

Split resistant core

FUNGAL RESISTANCE

WATER RESISTANCE

BORER RESISTANCE

TERMITE RESISTANCE

HDHMR®

HIGH DENSITY HIGH MOISTURE RESISTANCE

SPECIAL GLUE BEING USED TO MAKE IT WATER RESISTANT, HIGHER STRENGTH FOR INDIAN CLIMATE

Power Of New Technology

Tesa Fibre Boards are being manufactured with Hard Wood so density of our product becomes better than other products available in market. Our Boards are have best routing characteristics due to uniform density gradient & compact core, achieved by using special German Technology for MAT formation & 8 cylinders, 18 day light press (1st in India). Action Tesa has state of the art Glue Kitchen capable

HDHMR - High Density High Moisture Resistance. •Hard Wood used for higher density of product •Special Glue being used to make it Water Resistant Product as per Indian climate • Water Resistance Characteristics as per ISI Standard •Ideal Routable Substrate with Sharp Cut & Routed Edge •Ready & Smooth Surface which absorbs less paint in painting process thus saves paint cost also •Easy Workability •Cost Effective Paneling Solution

PLYWOOD	HDHMR	HDHMR	
		Screw withdrawal strength (kg)	
DENSITY around 650 - 750 Kg/m ³	DENSITY More than 850 Kg/m ³ resulting in better compactness and strength	Edge	Face
		TESA HDHMR Board >350	>450
		Plywood >200	>325

- WATER RESISTANCE
- TERMITE RESISTANT
- ENVIRONMENT FRIENDLY
- COST EFFECTIVE
- HIGHER DENSITY
- HIGHER STRENGTH
- READY & SMOOTH SURFACE

FOR PRODUCT SIZES AND THICKNESS, PLEASE REFER SIZE MATRIX



NOTE : ANTI VIRO BOARD, AVAILABLE IN PRELAMINATED HDHMR BOARD

3MM HDHMR

perfect solution for doors...

Action TESA 3mm HDHMR is the perfect substitute of core & face in flush doors and also a wise alternate option of raw door skins for designer doors. 3mm HDHMR has opened numerous avenues of value additions on flush doors viz. innovative grooves on the surface, designing as per choice of customer, polishing with exotic colours of choice matching door frames....

3mm HDHMR exhibits unmatched benefits as compared to traditional Flush Doors.

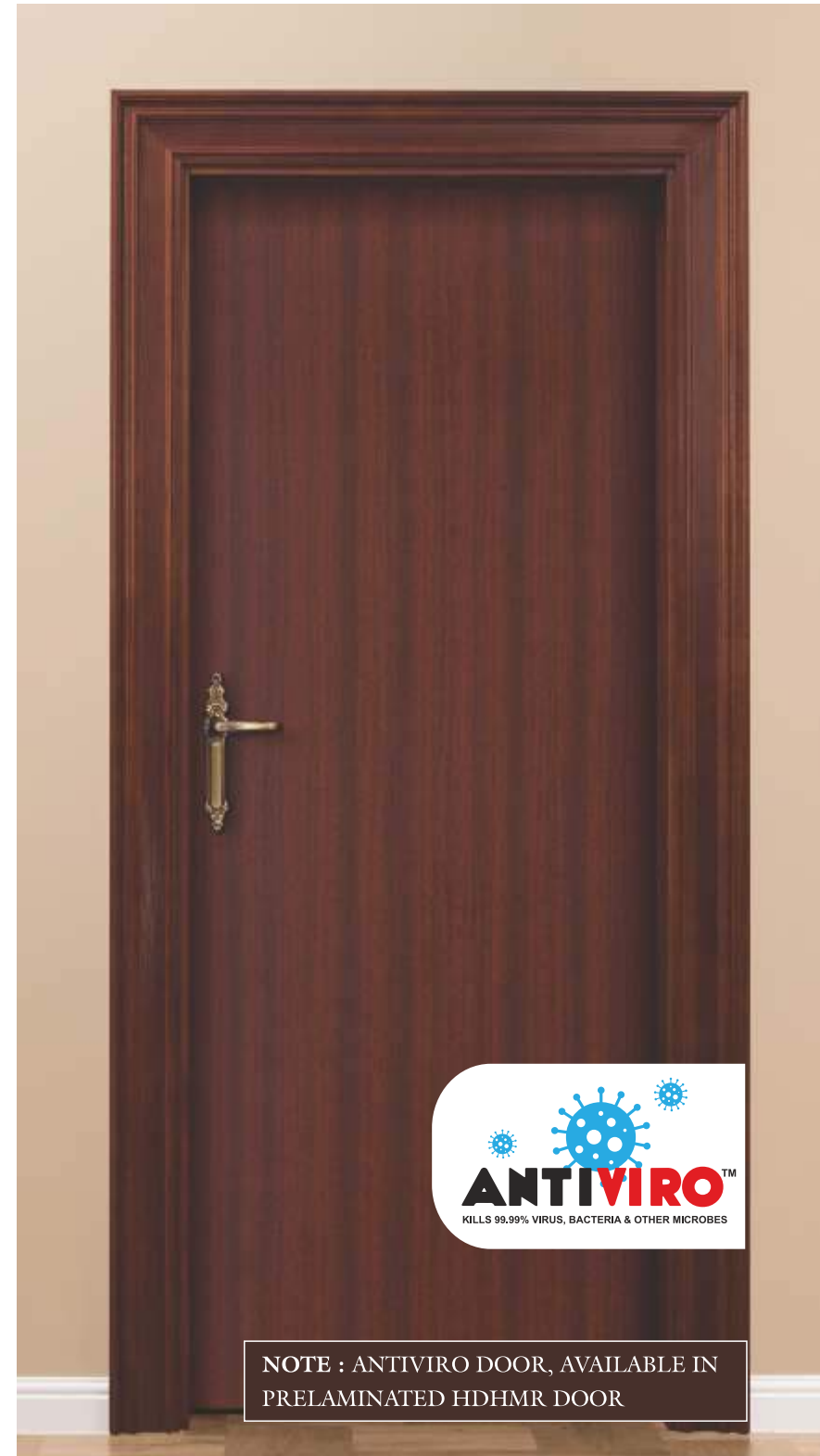
- Huge Surface Strength - Made from Eucalyptus hard wood.
- Unique Finish – Jointless surface product gives a unique finish in product.
- Ideal surface to paste the laminate thus no possibility of bubble while pasting Laminates. It gives the value to Brand.
- Exclusive Block Boards and Door manufactures, need not investment on heavy machines like core dryers.
- Cost Savvy – Glue, Production & Manpower
- Smooth Surface - Can be beautifully polished with various Colors matching with Door Frames.
- Value for Money – Can apply Duco Paint finish, No waviness & consumes less Paint
- Highly Moisture Resistant – Can be used in highly moist areas & climate.

FOR PRODUCT SIZES AND THICKNESS, PLEASE REFER SIZE MATRIX



3MM HDHMR

perfect solution for doors...



NOTE : ANTI VIRO DOOR, AVAILABLE IN PRELAMINATED HDHMR DOOR

REDEFINE THE DOORS

“HDHMR Door” is the latest avatar for **Door Industry**. This novel application will add wings to your Doors in both commercial and residential segment. Inheriting the desirable properties viz. strength, durability & innovative application “HDHMR Door” is the best available substitute of Flush Doors & Traditional Doors. Manufactured by using the finest and strongest wood fibres of eucalyptus hard wood and best quality glue made in-house enhances the desired product performance.

FOR PRODUCT SIZES AND THICKNESS, PLEASE REFER SIZE MATRIX

Hinges Recommended for upto 32mm Doors	
Type	- Steel Butt Hinges
Size	- 5 inch
Thickness	- 1.5 - 2.5mm (12 -14 gauge)
Screw Dimension	- 4mm x 50mm
Shape of Screw Head	- Countersunk
Screwdriver Shape	- Philips
7ft Door	- 4 pc of Hinges
8ft Door	- 5 pc of Hinges
Weight Loading capacity	- 50kg - 60kg each



Note: Before screwing, First make Pilot hole with drill 2.5mm bit for Chipboard Screw CSK 4 x 50mm
Please make sure that screw should be properly fastened in all holes of hinges.

HIGHER DENSITY	TOUGHER THAN PLYWOOD	NOMINAL COST	HIGHLY WATER RESISTANCE	BORER RESISTANCE	ENVIRONMENT FRIENDLY
MULTIDIMENSIONAL BONDING TECHNOLOGY	HIGHER SCREW HOLDING STRENGTH IN CORE	ZERO BUBBLE FINISH	NO SPLINTERS/ CHIPPING	IDEAL ROUTABLE SUBSTRATE	TRUTH Calibrated Panel



UV COATED PANEL

Ultra Violet Coating is an Acrylic adhesive based decorative lacquer which is cured by Ultra Violet rays in a series of closed chambers. UV Coating is a very polished, lustrous coating applied to a panel surface which is Melamine impregnated Prelam. The process of UV drying makes the end product Emission Free. The UV lacquering is a fully automated, synchronized PLC controlled process. The lacquering line with a length of 120 meter is aided with a series of online pumps, doctor rolls & double roller coaters that ensures precise & uniform lacquer spread on the wide format 4ft width Action TESA Fibre boards. The lacquered panels are then cured through a series of UV light curing chambers for hardening & the surface texture with an option of a High Gloss or Matt finish.

Action TESA UV Coated Panels are ideal for application in cupboard & kitchen shutters, furniture panels, wall relief paneling, partitions, laminate flooring & a host of applications that shall fire the imaginations of designers and users alike.

Melamine U.V. Coated Panel: A series of 9 layers of UV coating being done on Prelaminated Boards. Decorative paper being used for the surface of boards & a special kind of Prelamination process being adopted to make boards before UV coatings.

These panels from TESA have the following advantages:

- Super smooth surface of MDF substrate
- As the UV coating line is fully automatic so the finish on these panels is uniform all over and gives a great finish
- 100% environment friendly as all products are environment friendly
- The gloss level is more than 103 in high gloss version giving a mirror finish
- UV coated is 100% cure so no change in gloss levels with time.
- Value for money product.
- Ready to use product as the panel is ready to be used in the application without the efforts of doing any polish on that.

Product Range & Specification	
Type of Core Panel	Available in Prelaminated MDF Exterior Grade - Type-I, Highly Water resistant
BIS License (Core Panel)	IS : 14587 (Prelaminated MDF)
Sizes Available	Prelaminated MDF : 8FT (2440 mm) x 4FT (1220MM) On specific customer demands we can further customize panel sizes in logical sizes variants.
Thickness Available	Prelaminated MDF : 18mm
Shades Available	Melamine UV boards comes in more than 55 color Melamine UV board comes in standard both side laminated with the same decor (BSL) (except 5 color with UV Finish only on one side.

HIGH GLOSS ACRYLIC BOARD

Keeping pace with growth and with commitment to serve the rapidly growing interior industry, Action TESA adds another interior product in its basket by introducing High Gloss Acrylic Surface MDF Boards. TESA Acrylic Faced MDF combines the look and feel of a solid surface acrylic with an ultra high gloss surface in a contemporary range of designs and effects.

All TESA Acrylic Surface Boards have a near mirror quality surface (just like a glass mirror) and are very easy to install and clean (using a soft wet cloth).

TESA Acrylic Boards are having natural colour and unique design, the collection includes **more than 35* exotic designs** for any interior and furniture design application.

Outstanding product characteristics:

- High glossy level- $\geq 110^\circ$
- Rich Fullness of color
- High surface hardness in the range of $\geq 1H$
- High scratch resistance
- Anti-acid and Anti-alkali against a variety of disinfectant
- Resistant to fading

Application Areas: Action TESA Acrylic Boards can be used in decoration of wall/cabinet or whole styling. House hold decoration furniture like bedroom/living room/wardrobe shutters/kitchen shutters and multipurpose applications and many more.....



Core Panel	Exterior Grade MDF (IS:12406)
Size Available	8' x 4'
Thickness Available	18mm
Finish Type	High Gloss

ACRYLIC*
PLUS+ Available
17 colors*

ACRYLIC*
PLUS+ Available
5 Matt colors*

**CLEAR
TOUCH**

HDF LAMINATE FLOORING

The very 1st Laminate Flooring manufacturing facility in India “MADE IN INDIA, FOR INDIA”. Action TESA Flooring is manufacture by Direct Pressure Laminated (DPL) flooring process where in the anti-abrasive aluminium oxide overlay along with the melamine impregnated decorative film is Directly Fused with the core substrate & the balancing film at the back. Action TESA is the 1st flooring manufacturer in India by forward integrating HDF from its own Plant.

The key to a perfect flooring solution is the “Locking Profile”, Action TESA Flooring Locking Profile is designed with 5 spindled tool to render an double click locking system on the length & a single locking profile on the smaller width rendering desired locking strength/ support. Action TESA flooring is More Weight Bearing & Longer Lasting.

Action TESA Flooring is Tropicalized to suite Indian climate. A Wax Coating on the locking profiles make the exposed area 100% water resistant making the product survive the humid conditions of a tropical climate & the age old floor cleaning methods.

We are using Leitz German tools to make our tong & groove system for longer life of joints.

Decorative paper is being imported from Germany to give color fading & staining warranty.

- Advantages :**
- Fade Resistant
 - Termite Resistant
 - Anti-moisture
 - Stain Resistant
 - Glue Free Installation
 - Suitable for Underfloor Heating
 - Edge Protection

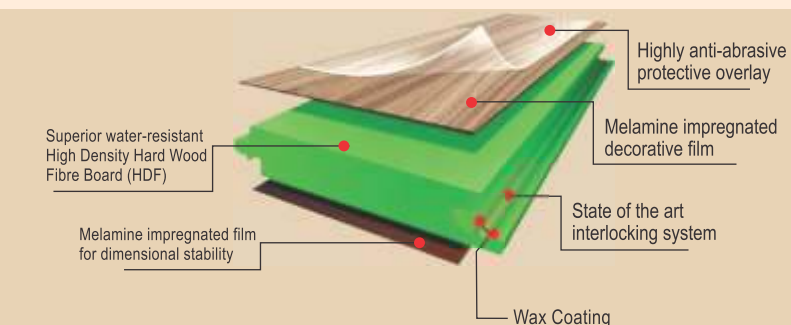


Product Range & Specification

Available in 8mm and 12mm (AC3, AC4 & AC5)

Warranty - AC3 - 10 years, AC4 - 20 years, AC5 - 25 years

New Flooring : Herringbone, Handscraped, Synchronized Flooring, French Bleed & Midas Flooring



ACTION TESA Laminate Wooden Flooring Construction

EMBOSSED HDF

WHY ACTION TESA EMBOSSED PANELS

- Action Tesa Embossed on HDF sheet at its semi cure stage while other manufactured embossed designs are available on MDF sheet.
- Action Tesa has more depth in Embossed HDF sheets and the depth is normally higher than 0.6mm whereas the others are just 0.2, 0.3mm. This results in a much more beautiful panel on Tesa HDF.
- Action tesa HDF Embossed Panels are ideally suitable for polishing, painting, PVC film pressing, membrane pressing etc.
- Action Tesa is using DOME technology so the moisture content is distributed equally in panels while other panels having high moisture content & moisture is not equally distributed, resulting in more complaint. Action Tesa HDF Board which is being specially manufactured in-house with wax so that the paint consumption is much less as compared to any other panel available.
- The molecular structure & IB in Tesa Panels is better than other Embossed Panels because Tesa is Embossing in semi cure (After the Mat formation) while other panels give the Pressure on surface after the MDF get completely cure thus creating destruction in molecular structure.
- Action Tesa has the widest range of more than 32 Designs.

A HDF based wall, ceiling & furniture embellishment panel with a thickness of 2.3 mm having Embossed designed on the surface that can be polished with stain & lacquer. Manufactured from an intricate process where HDF is pressed under very pressure with precisely etched design plates to render exotic designs. Embossed HDF can easily be pasted & nailed on to any substrate. To add a finish a simple 2 tone polish with stain & lacquer can liven up the embossed designs.

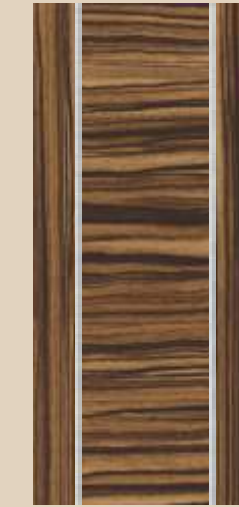
Product Range & Specification	
Thickness	2.3mm Size : 8ft x 4ft
Core material	HDF (Raw Unpolished)
Suitable for Polish	Dual Tone with Antique Effect / DUCO Finish / PU Finish can be given.
Fixing	Similar to the way veneer is fixed.
Applications	Wall/Ceiling Cladding, Shutter Cladding & Furniture Embellishments



DOOR SKINS



WOVEN - MMWO



MELAMINE - FM3



FLOWER 2 PANEL - MM2PF



SQUARE 2 PANEL - MM2PS



MELAMINE - MF2

Action TESA is India's First Company to indigenously manufacture Melamine Door Skins. The range constitutes select designs options, created from precisely crafted moulds from Germany for perfect finish highlighting the effects of the textures & shapes. Action TESA range showcases a range of Melamine Faced Decorative Door Skins totally eliminates the hassles of Painting & Polishing associated with the conventional door skins & which is impervious to moist

Door Skin – Product Range:

- Available in primed based & Melamine (Moulded & Flush)
- A wide range of door skin designs for Flush Doors also available.
- Customized designs can also be manufactured.

Product Range & Specification	
1.	Standard Dimensions <ul style="list-style-type: none"> • 635 mm x 2150 mm (24inch) • 711mm x 2150 mm (27inch) • 864 mm x 2150 mm (33inch) • 1020 mm x 2150 mm (39inch) • 790 mm x 2150 mm (30inch) • 940 mm x 2150 mm (36inch) • 1092mm x 2150 mm (42inch)
2.	Thickness : 3mm (standard) <ul style="list-style-type: none"> • Melamine Door Skin • Melamine Flush • Melamine Moulded
3.	Substrate: Water Resistant Ext. Grade/Substrate made from Melamine Urea Glue/Moulds of varied designs / Ideal for Hot/Cold pressing
4.	Door made from TESA Melamine Skins can be Trimmed from all four sides.
8ft length Door Skin available in Flush & Flat Metallic Series	

