

# HDHMR DOOR

HIGH DENSITY HIGH MOISTURE RESISTANCE

*new trend*

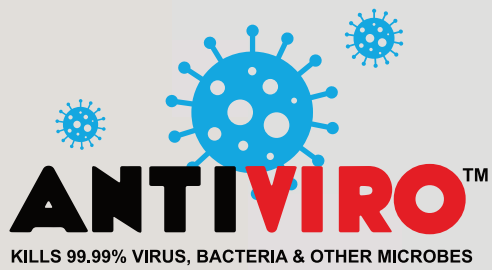


## ABOUT HDHMR DOOR

**“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 dimension please refer size Matrix

**Thickness : 30mm & 32mm**



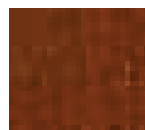
**FM5 - 3341**

**CHOCOLATE ZEBRANO**

Also  
available in



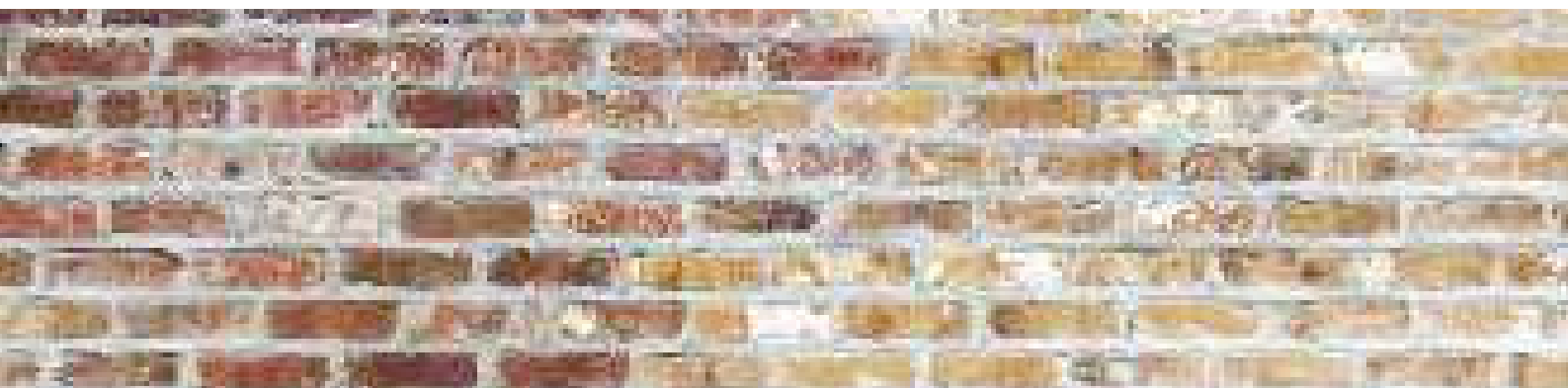
Teak Gold  
3091



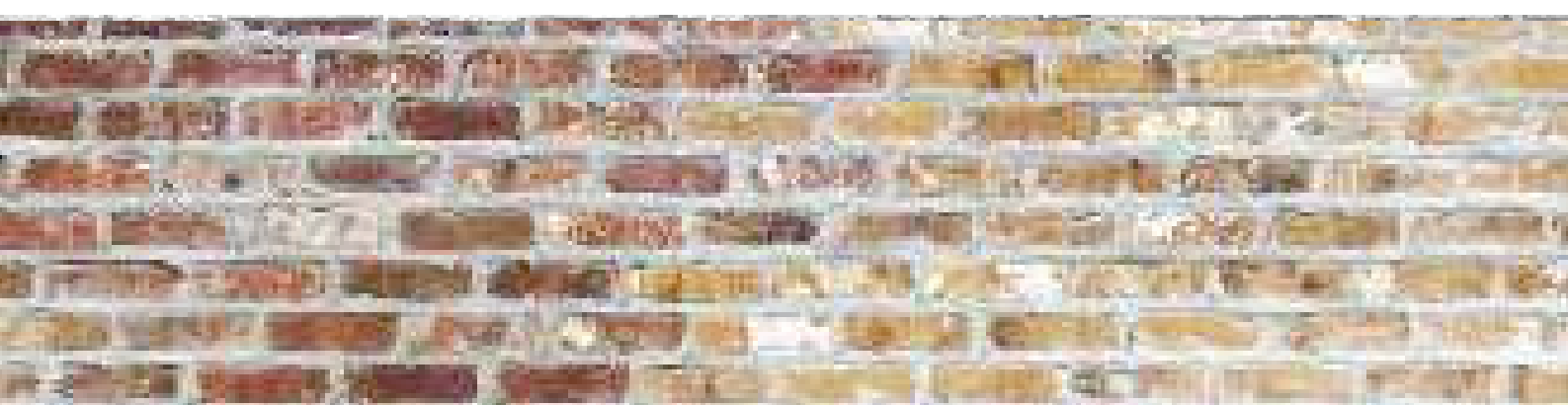
Sapelli  
3015



Straight Grained  
Wenge - 3008







**FM6 - 3008**  
**STRAIGHT GRAINED WENGE**

\* For dimension please refer size Matrix  
**Thickness : 30mm & 32mm**

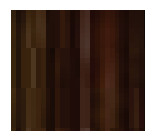
Also  
available in



Teak Gold  
3091



Sapelli  
3015



Chocolate Zebrano  
3341

**FM7 - 3008**

**STRAIGHT GRAINED  
WENGE**

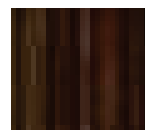
Also  
available in



Teak Gold  
3091



Sapelli  
3015



Chocolate Zebrano  
3341





**EXOTIC TEAK** - 3365

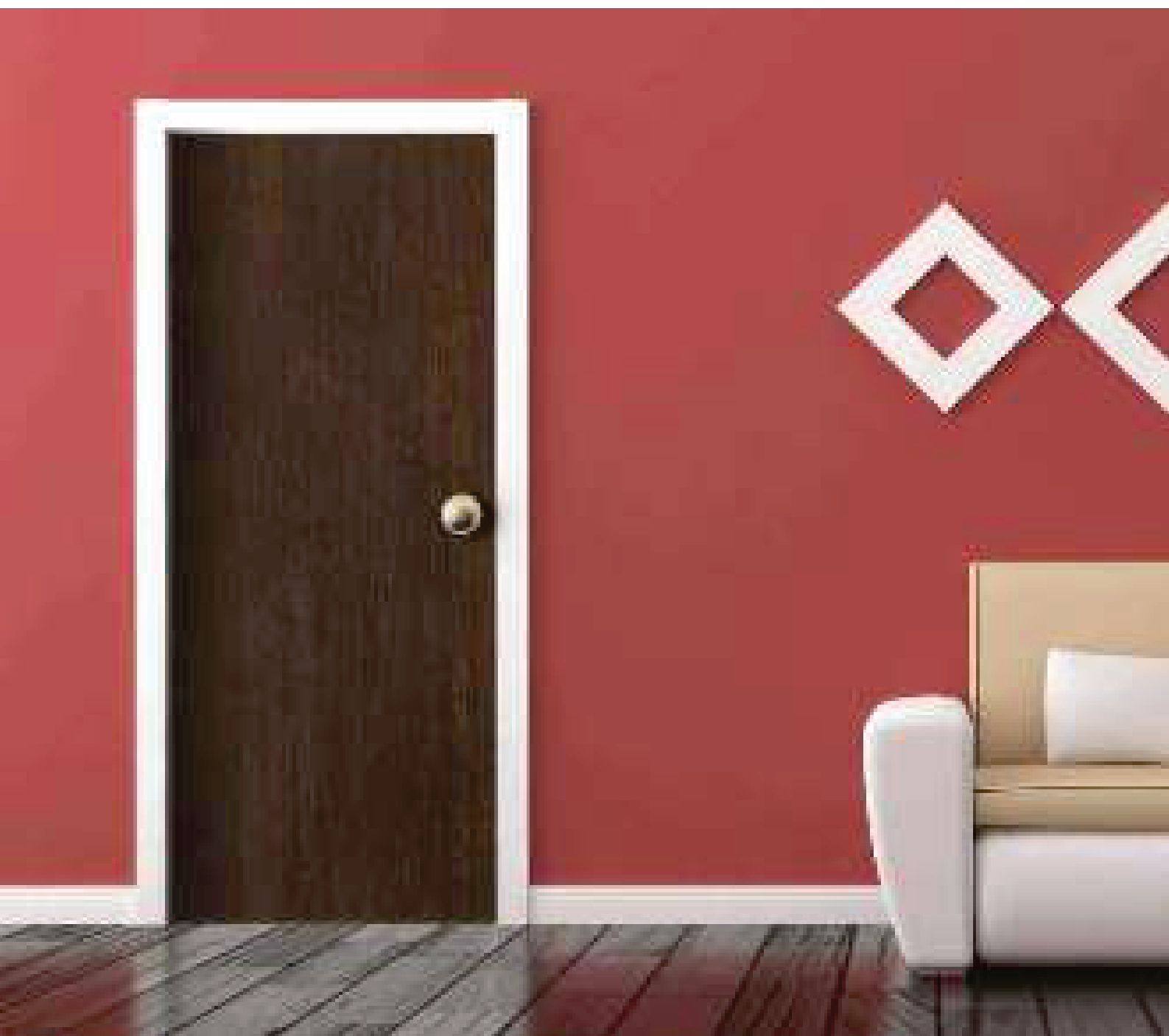
\* For dimension please refer size Matrix  
**Thickness** : 30mm & 32mm

**FIBRE GREY - 3453**

\* For dimension please refer size Matrix

**Thickness : 30mm & 32mm**





**STRAIGHT GRAINED WENGE** - 3008

\* For dimension please refer size Matrix  
**Thickness** : 30mm & 32mm

**MAHOGANY - 3024**

\* For dimension please refer size Matrix

**Thickness :** 30mm & 32mm





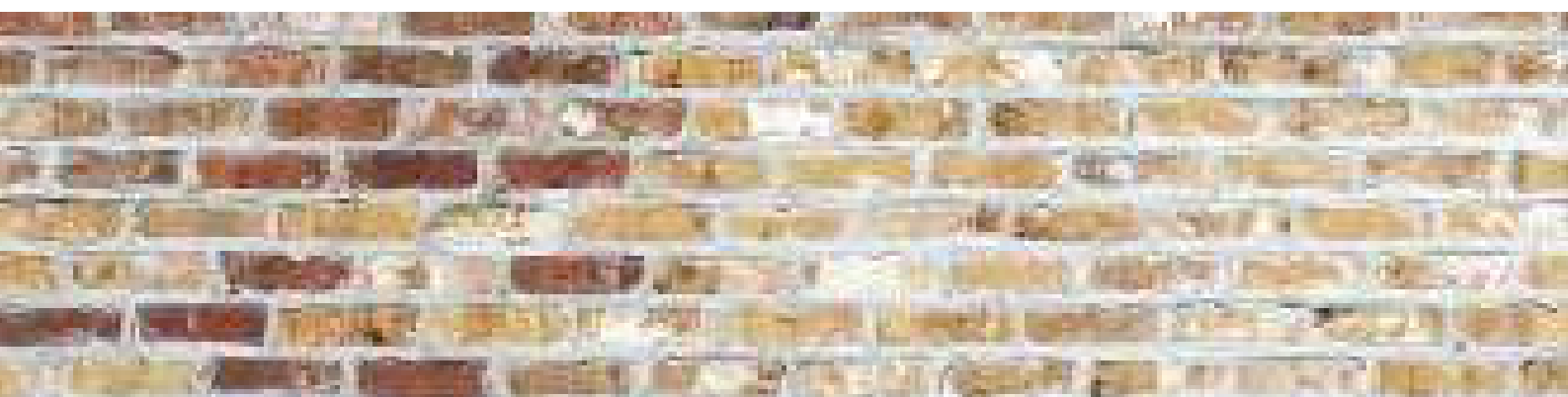
**FIBRE RUST** - 3452

\* For dimension please refer size Matrix  
**Thickness** : 30mm & 32mm

## **REAL WOOD** - 3070

\* For dimension please refer size Matrix

**Thickness : 30mm & 32mm**







**TEAK GOLD** - 3091

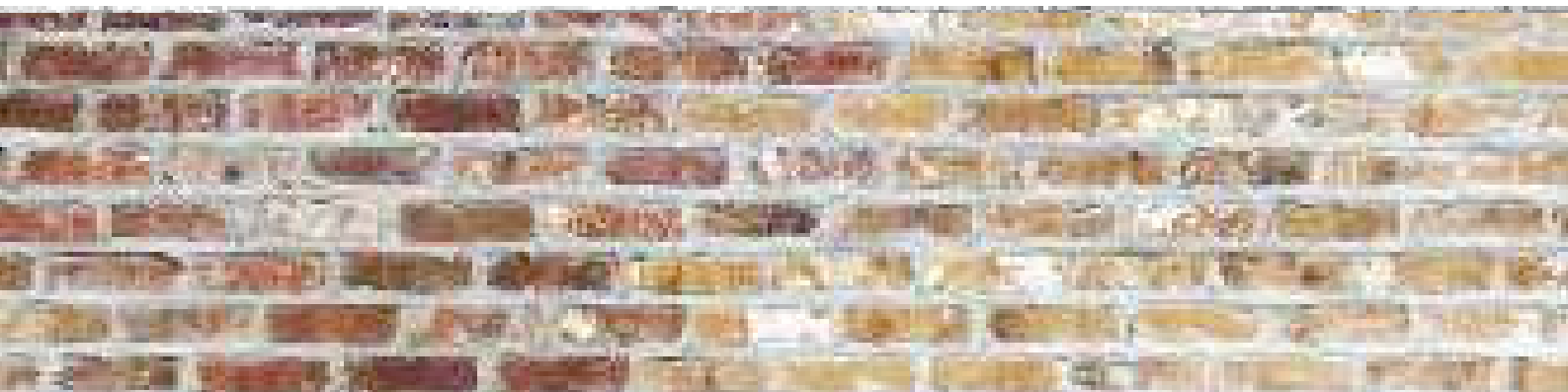
\* For dimension please refer size Matrix  
**Thickness** : 30mm & 32mm

**FIBRE GOLD** - 3454

\* For dimension please refer size Matrix

**Thickness : 30mm & 32mm**





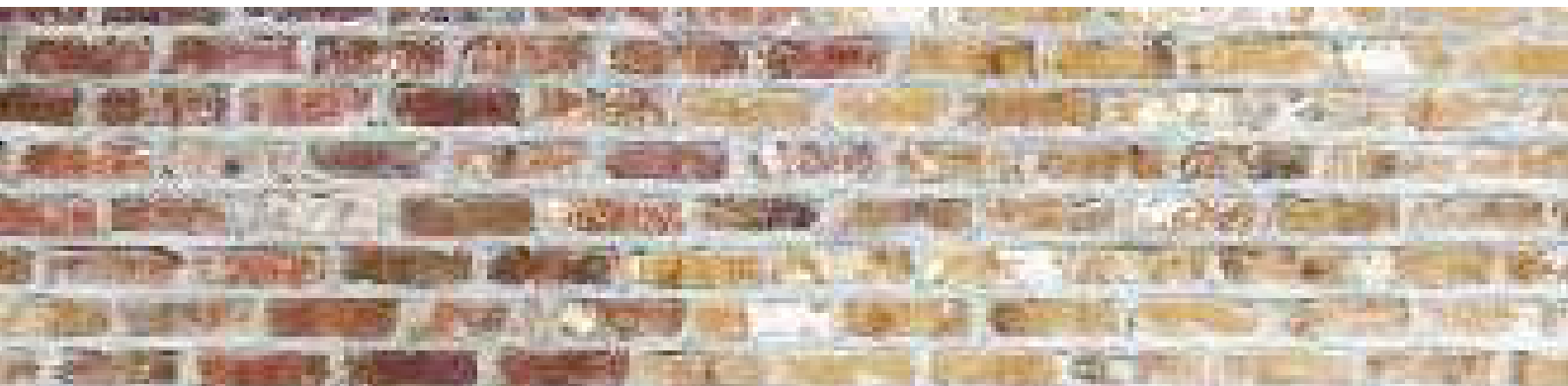
**OXFORD CHERRY** - 3022

\* For dimension please refer size Matrix  
**Thickness** : 30mm & 32mm

\* For dimension please refer size Matrix

**Thickness : 30mm & 32mm**

**PERSIAN WALNUT - 3371**





**SAPELLI** - 3015

\* For dimension please refer size Matrix  
**Thickness** : 30mm & 32mm

# TESA PLAIN DOOR VS OTHER FLUSH DOOR

## FLUSH DOOR

LOCAL FILLER

LOW SURFACE  
STRENGTH

CUTTING  
LIMITATION

PRE DEFINE  
LOCKING AREA

TOP LAYER WEAR OFF  
OVER A PERIOD OF TIME

WAVINESS DUE  
TO UNEVEN SURFACE

SURFACE NOT  
SMOOTH AS PER  
PAINT AND POLISH  
REQUIREMENT

ROUTING AND  
CNC DESIGN  
NOT POSSIBLE



## HDHMR DOOR

SOLID SURFACE  
NO CORE GAP

HIGHER STRENGTH  
ENSURES SAFETY

CAN BE CUT IN ANY SIZE  
(HORIZONTAL & VERTICAL)

EASY LOCKING SYSTEM  
AS PER REQUIREMENT

NO WEAR OFF PROBLEM

SMOOTH SURFACE  
ZERO BUBBLE PASTING

IDEAL SURFACE  
FOR PAINT AND POLISH

ROUTING AND CNC DESIGN  
AS PER YOUR CHOICE



# PRELAMINATED DOOR VS OTHER FLUSH DOOR

## POST LAMINATED FLUSH DOOR

## PRELAMINATED HDHMR DOOR

TIME CONSUMING  
MANUAL PROCESS

LOCAL FILLER

LOW SURFACE  
STRENGTH

CUTTING  
LIMITATION

PRE DEFINE  
LOCKING AREA

WAVINESS DUE  
TO UNEVEN SURFACE

UNSTABLE DURING  
EXTREME CLIMATIC  
CONDITION

HIGHLY COST  
EXPENSIVE



READY TO USE DOORS

SOLID STRUCTURE  
NO CORE GAP

HIGHER STRENGTH  
ENSURES SAFETY

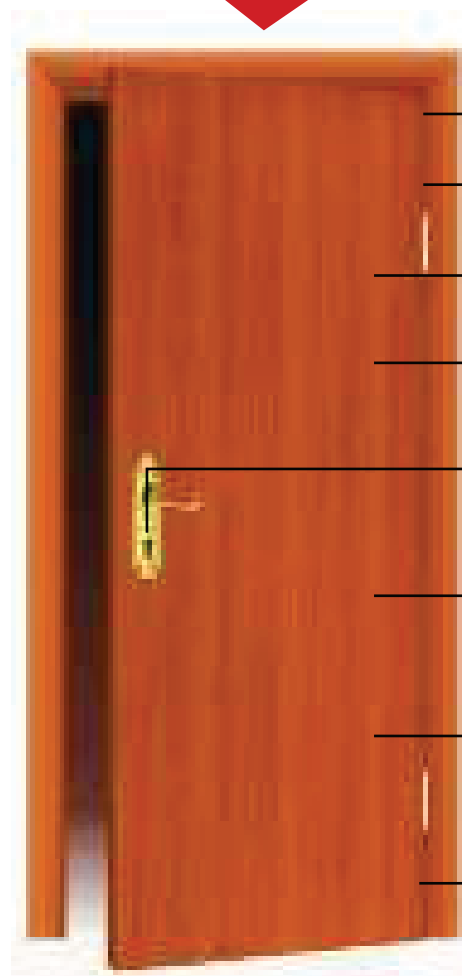
CAN BE CUT IN ANY SIZE  
(HORIZONTAL & VERTICAL)

EASY LOCKING SYSTEM  
AS PER REQUIREMENT

SMOOTH SURFACE  
ZERO BUBBLE FINISH

ALL SEASON PRODUCT &  
DIMENSIONALLY STABLE

COST EFFECTIVE

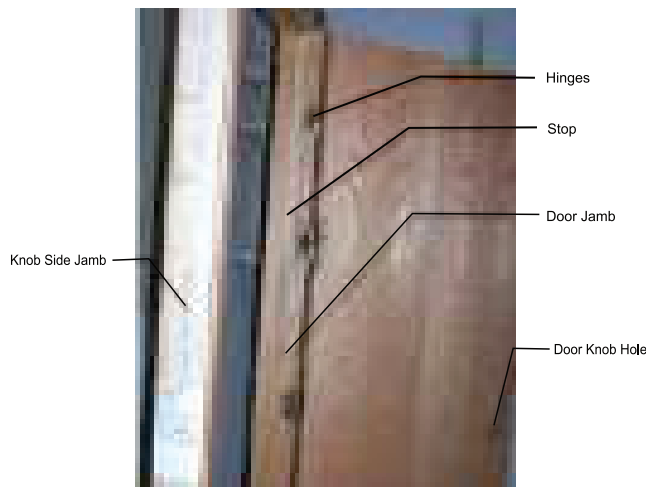




# DOOR CARE

## *instructions*

1. HDHMR Doors are produced and packed in an ideal climatic condition, it is recommended that before uses of these doors at consumer end, it must be unpacked and kept on a flat surface with uniform weight to stabilise these doors in local climatic condition for 2-3 days.
2. The minimum Door Frame (Jamb) should be 3"x4" and above for single leaf (single stop).



3. Door edges must be sealed properly to restrict door expansion with Edge Banding/Hardwood Lipping/Epoxy/ Acrylic/ PU sealing or painting
4. The final Door size (inclusive of edge banding tape/ lipping or any other seal) should be kept 5 mm smaller from the internal opening of door frame/ Jamb to withstand with climatic changes.

Proper tools must be used for fixing of lock, handle, magic eye, door closer, door stopper, tower bolts etc.

5. It must be ensured that tower bolt and lock must be fixed simultaneously with fixing of hinges, and especially for under construction site care must be taken that the doors are not kept in open hanging position for longer period.
6. It is recommended to fix 4 number of 5 inch long butt hinge (12 to 14 gauge) for the door height up to 7 ft. height and 5 number of 5 inch long butt hinge for the door height above 7 ft.
7. While fixing hinges on door Use counter sunk (CSK) chipboard screw of size 4x 50mm to be fixed with pre drilling of pilot bore of 2.5mm and 50mm depth. Screws must be tightened with proper screw driver with torque limiter to avoid over tightening of screws. Never hammer screws / nails on doors.
8. Hinge position for door up to 7 ft. – first hinge 150 mm from top, second 250 mm from first hinge, third centre of 2nd and 4th , 4th hinge- 150 mm from bottom edge
9. In case, Plain HDHMR Door is being used by customer, proper painting on both side surfaces at same time with epoxy/synthetic/PU/Deco paint or with sealer/primer/paint application.
10. In case, Pre-laminated door is being used by customer, No painting is required. Proper sealing must be done on edges as recommended.
11. For Post Lamination at site, user should ensure







# DOOR CARE

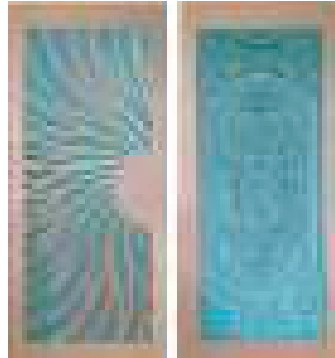
## *instructions*

lamination at both sides with same thickness HPL to avoid warpage

12. For Routing/carving/grooving application in door:

Maximum depth of routing should not exceed 8mm.

Routing must be done on both side/ or in case of single side routing, back



side must be grooved with grid size of 5inch x 5 inch or below. The minimum width of such grooves to be 9 mm and depth 5 – 6 mm. (Single side routing results in development of stress from other side which will leads to warpage/ bend)

Sealer coat must be done immediately after routing on both sides

After routing the door must be kept horizontally on flat surface for 1-2 days before fixing on door frame.

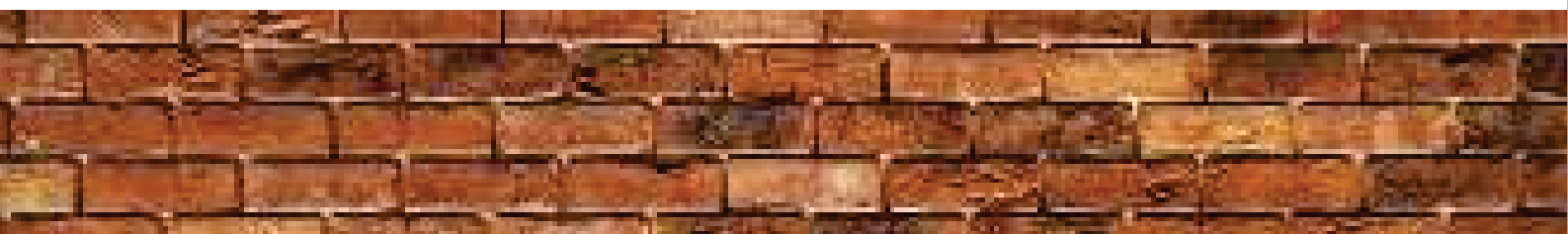
Routing to be done leaving at least 125mm from all edges for door up to 3 ft. wide and for door with width above 3 ft. minimum 150 mm to leave, which is structural area in case of routed doors.

13. The HDHMR Door is a wooden product and should be handled, stored and

installed properly to avoid warpage and chipping/damages.

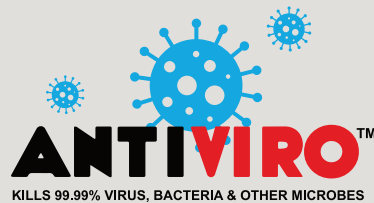
14. The HDHMR Door is strictly for internal usage; do not expose these doors to direct sunlight or rain.

**Note:** Warping / twist/ buckling are within the norms of IS:2202- 1999. (The pre-condition stated all above should be strictly followed)



## **PRELAM DOOR ADVANTAGES**

- Ready To Use Doors
- Solid Structure - No Core Gap
- Best Finishing, Unique And Rich Look
- Calibrated Panel With No Thickness Variation
- No Warping Problem
- All Season Product & Dimensionally Stable
- Cost Effective
- Zero Bubble Finish



## Hinges Recommended for upto 35mm Doors

|                                |                              |
|--------------------------------|------------------------------|
| <b>Type</b>                    | - Steel Butt Hinges          |
| <b>Size</b>                    | - 5 inch                     |
| <b>Thickness</b>               | - 1.5 - 2.5mm (12 -14 gauge) |
| <b>Screw Dimension</b>         | - 4mm x 50mm                 |
| <b>Shape of Screw Head</b>     | - Countersunk                |
| <b>Screwdriver Shape</b>       | - Philips                    |
| <b>7ft Door</b>                | - 4 pc of Hinges             |
| <b>8ft Door</b>                | - 5 pc of Hinges             |
| <b>Weight Loading capacity</b> | - 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.





## **TESA PLAIN DOOR WITH CNC DESIGN**





## **TESA PLAIN DOOR WITH CNC DESIGN**



# TESA DOOR ADVANTANGES



**HIGHER  
DENSITY**



**TOUGHER  
THAN PLYWOOD**



**NOMINAL  
COST**



**HIGHLY WATER  
RESISTANCE**



**HIGHER SCREW HOLDING  
STRENGTH IN CORE**



**ZERO BUBBLE  
FINISH**



**MULTIDIMENSIONAL  
BONDING TECHNOLOGY**



**ENVIRONMENT  
FRIENDLY**



**IDEAL ROUTABLE  
SUBSTRATE**



**BORER  
RESISTANCE**



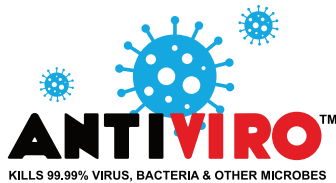
**TERMITE  
RESISTANCE**




**FUNGAL  
RESISTANCE**

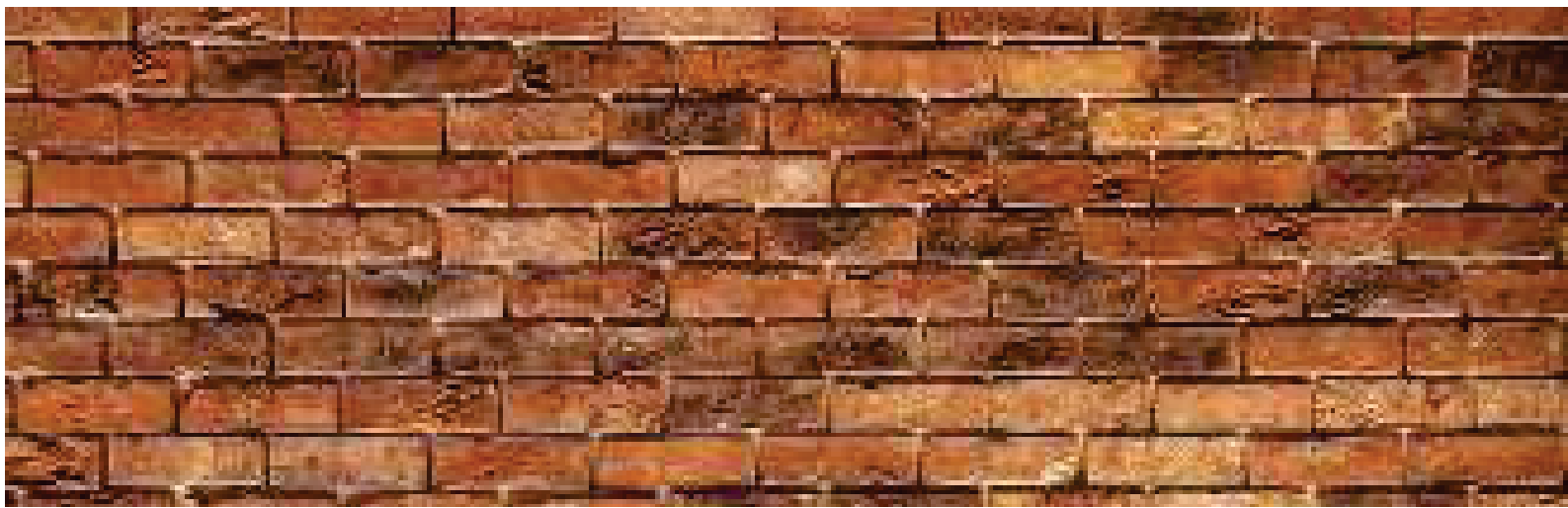


**NO SPLINTERS/  
CHIPING**



|  <b>HDHMR</b><br>Screw withdrawal strength (kg) |  |                |  |
|--|--|----------------|--|
| Edge   |  | Face           |  |
| TESA HDHMR Board   |  | <b>&gt;350</b> |  |
| Plywood  |  | <b>&gt;200</b> |  |
|  |  | <b>&gt;450</b> |  |
|  |  | <b>&gt;325</b> |  |

| PLYWOOD         | HDHMR  |
|-----------------|--|
| DENSITY         | DENSITY                                      |
| around          | More than                                    |
| 650 - 750 Kg/m3 | 850 Kg/m3                                    |
|                 | resulting in better compactness and strength |





Manufactured & Marketed By :-  
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