



## TECHNICAL SPECIFICATION



« OKPS , Your door's manufacturer »

DECEMBER 1, 2022

OKPSDOOR LTD  
Konya , TÜRKİYE

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Model



Figure 1: Painted door



Figure 2 : Laminated door

**Basic Info.**

Opening Direction Inwards/Outwards

Glass Without Glass

Option : **Lake (peinted)/Laminated/PVC**

Color Different Choices

Special Function Security

Surface Finishing Finished

Handle Position Right/Left

Position Room

Infilling Honeycomb/Pb

Transport Package Carton

Standard Specification 2100 x 900 x 40 or customised

Trademark Treezo

Origin Turkiye/konya

HS Code 4418200090

Production Capacity 3000 Sets Per Month

## Product Description

1. Simple and fashionable design of international style.
2. 3D visual effect makes design and function focused together perfectly and sharp color contrast for high visional impact.
3. Different filling such as MDF strips, honeycomb and tube particleboard to meet different requirement and price level.
4. The moisture content of wood is 10-12% that keep the door stable.
5. The MDF is laminated less than 200 degree temperature, which guarantees the door with curves against blister .

## Door Leaf

Solid materials door stile (internal frame) used for making doors.

The optimal humidity rate is %12 consisted of the coniferous tree which was dried privately.

After it was purified from the snags, it is combined with finger-jointed, destroyed the deformation, and increased the resistance.

There are air space grooves that have 6\*3mm measures inside the stiles.

There will be a double stile on the sub of the door leaf.

The door leaf is made up of 6 mm MDF covered by HPL (High-Pressure Laminate)

The lock housing is drilled for a 40 mm oval lock. Hinge housing and lock striker are drilled if there is a special request.

There will be used honeycomb which has resin-based, 120 ton resistance and comply with TSEK in the framework.

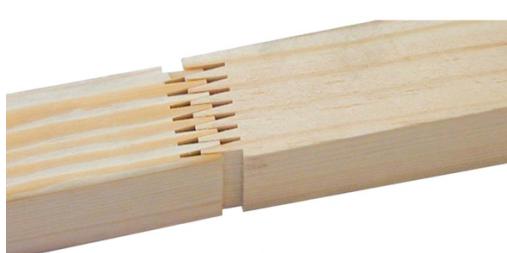
General principles as mentioned above are the same for producing glazed doors. While the carcass process there will be a solid stile on the housing of glass opening that will be drilled in the middle of the door leaf.

## Door Frame

Composite+PVC or Mdf+Pvc

## Materials used

Pine Integration Timber : fingers wood



*Figure 3: finger-jointed pine*

## Specification

Timber Type : New Zealand Radiate pine

Glue: E1/E2

Size: 42X32mm or 42X34 as requested

Thickness: 32mm or 34mm

Usage: Door's frame

Face & Back : Plain/high glossy uv painted

Grade: AA

MOQ: 1\*20GP

Moisture: 12%

Density: 450kg/m<sup>3</sup>

Place of Origin: Turkiye

### Honey comb core



Figure 4: honey comb core



Figure 5 : illustration

### Specifications

paper density (g/sqm) 120g

thickness : 30cm

Origin : Turkiye

100% recycled paper, environmental friendly

High compressive strength

Light weight

Flexible in shapes

Easy processing

## Product Description

Paper honeycomb core is made from layers of recycled paper, bonded together by parallel and uniformly spaced lines of adhesive. When it is expanded for use, it forms a honeycomb configuration with hexagonal cells, creating a light but incredibly strong and rigid material, that has excellent properties, particularly compressive strength and shear modulus.

It is easy to use, the paper honeycomb is produced to fine tolerance, which guarantees consistent thickness, it provides a smooth surface with all facing materials, and can be used in hot or cold pressing.

Le Medium-density fibreboard Mdf



Figure 6: Mdf



Figure 7: Mdf for core



Figure 8 Mdf aux dimension de de :



Figure 9: laminated Mdf



Figure 10: Mdf +PVC

## Specification

Glue: E1,E2 and E0

Density: 650-800/kgs

Size: 1220x2440mm

Melamine MDF

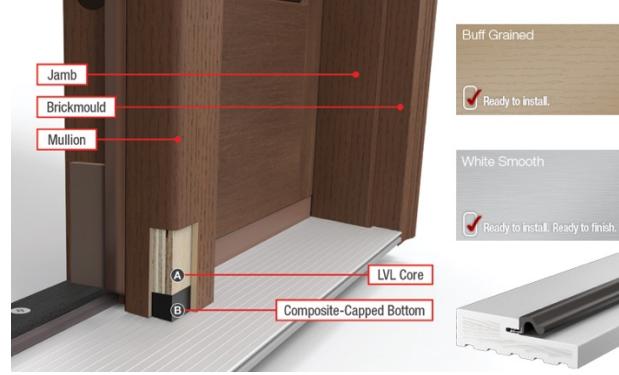
Glue: E1,E2 and E0

Density: 650-800/kgs

Size standard : 210X90mm

1.

### Le Mdfs

	 <i>Figure 12: Mdf main Frame</i>
<b>Wooden main frame</b> <b>With : Mdf , and Pvc laminated</b> <b>Origin Pvc : South Corea</b> <b>Origin Mdf : Turkiye</b>	

### Composite for main frame



Figure 13: composite for frame

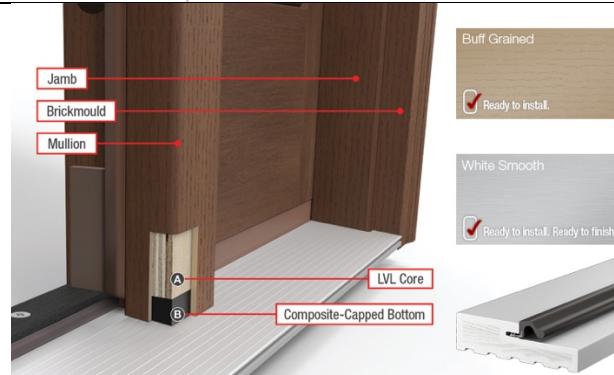


Figure 14: main frame with composite

## Specification

- 20-Minute Fire Rating
- Closed Cellular Structure - Will not absorb moisture
- Rigid Poly-Fiber Formulation - No aluminum support channel needed
- 2X Screw Holding Power - Stronger than wood door frames
- Top-Notch Impact & Skin - More durable
- Cut-to-Size - More Size Options
- Primed and Woodgrain jambs may be painted or stained

**Descripton :** Combining strength and stability of wood without the rotting, warping and splitting is what makes the composite door frame a unique formulation. The composite door frame is resistant to mold, mildew, fungus, salt, chemicals, insects, and pollutants, making your entry way frame maintenance-free. The Composite Frame has the same shape designs, use, and functionality as wood, and can be painted, stained, nailed and machined. The composite frame will maintain its integrity for years to come



Figure 15: finger-jointed pine

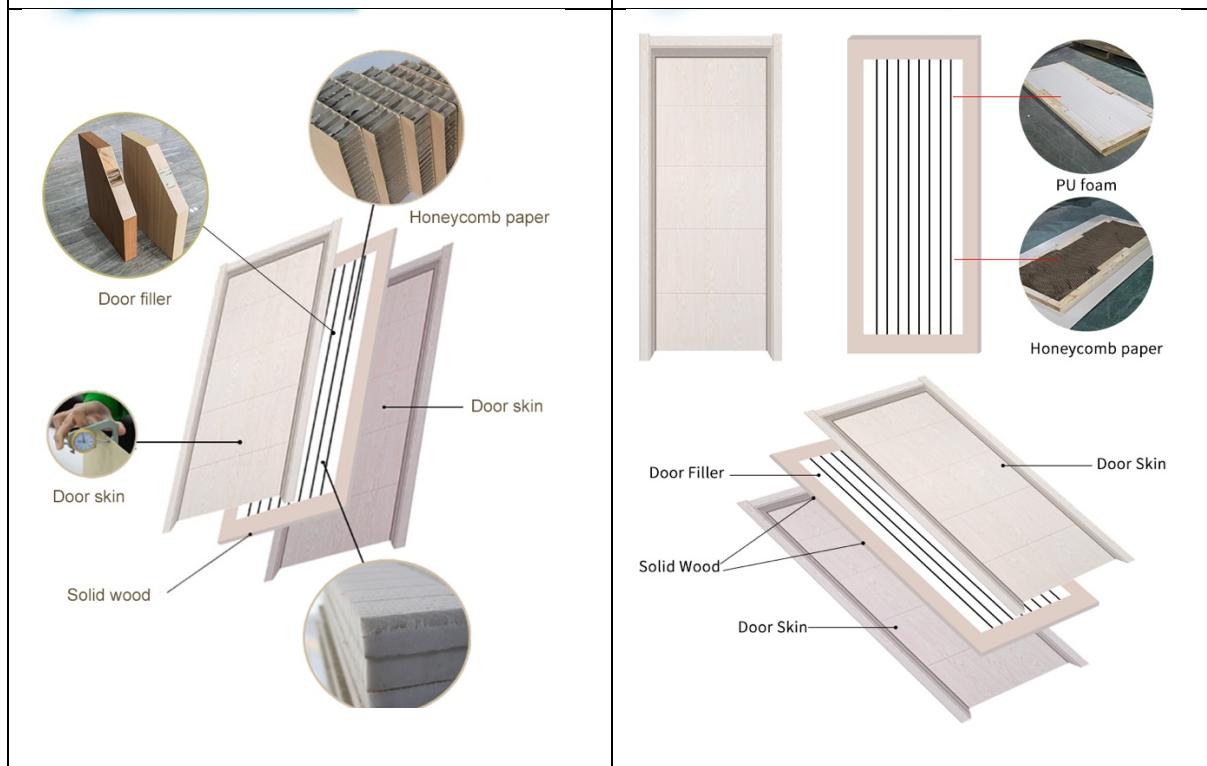
**Specification**

Wooden glue : E0/E1/E2

## Design



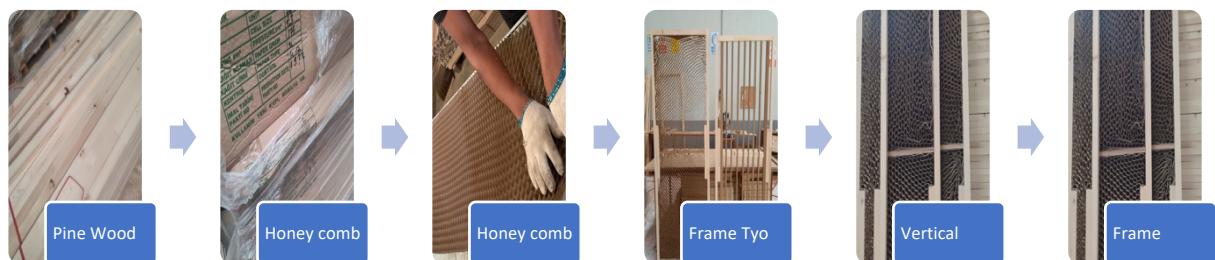
Figure 16: finger-jointed pine



- The frame can be composit or Mdf+Pvc laminated
- The choice is between Honeycomb (30mm) and Mdf+ Finges wood (32X20mm)
- Standard size : 210X90mm (fully customizable)
- Main Frame can be composit or Mdf + PVC laminated
- Leaf Fram is with wood

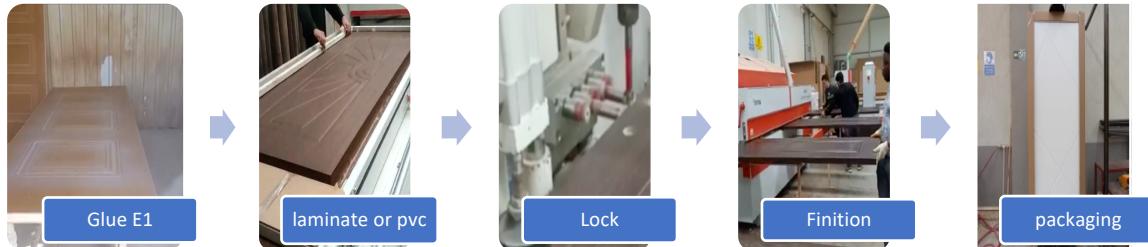
## Manufacturing process

### Frame



### Door leaf Assembly





## Difference between Laminated Surface door, PVC door and Painted door

Name	Description.
LAMINATE SURFACE DOOR	<ul style="list-style-type: none"> <li>• It is 4mm thick. (4mm Thickness)</li> <li>• Total door thickness is 42 mm.</li> <li>• There is a kiln-dried wooden frame.</li> <li>• It is painted, not scratched.</li> <li>• Priced according to color and model.</li> <li>• Its standard size is 90*210 (</li> <li>• Frame dimensions are 10-15 or 20 cm.</li> <li>• The sill is 7-10*10 cm. (Sill dimensions are 7-10*10 cm)</li> <li>• Two different colors can be applied.</li> <li>• It is 23kg. (for standard dimension)</li> <li>• Frame can be composit or wood</li> </ul>
Membrane Door	<ul style="list-style-type: none"> <li>• MDF thickness is 6mm and sanded. (mdf Thickness is 6 mm and sanded)</li> <li>• PVC thickness is 0.20 mm. (Pvc thickness is 0.20 mm)</li> <li>• Slats are kiln-dried.</li> <li>• PVC coating is applied on the edge band. (PVC Coating is made on the edge band)</li> <li>• Door inner honeycomb panel is used. (Deck panel is used inside the door)</li> <li>• The original kraft is 175 gr. (Original kraft is 175 gr)</li> <li>• Door seals can be made in colour. (Door sealant can be made desired colors)</li> <li>• Case dimensions are 10-15-20 cm. (Body dimensions are 10-15-20 cm)</li> </ul>

	<ul style="list-style-type: none"> <li>• Its standard size is 90*210. (Standard Dimensions 90*120 cm)</li> <li>• It is 23kg. (Total weight is 23 kg.)</li> </ul>
Lake door (peinted door )	<ul style="list-style-type: none"> <li>• It is 4mm thick. (4mm Thickness)</li> <li>• Total door thickness is 42 mm.</li> <li>• There is a kiln-dried wooden frame.</li> <li>• It is painted, not scratched.</li> <li>• Priced according to color and model.</li> <li>• Its standard size is 90*210 (</li> <li>• Frame dimensions are 10-15 or 20 cm.</li> <li>• The sill is 7-10*10 cm. (Sill dimensions are 7-10*10 cm)</li> <li>• Two different colors can be applied.</li> <li>• It is 23kg. (for standard dimension)</li> <li>• Frame can be composit or wood</li> </ul>

### Note

Laminated MDF Doors are coated under high pressure with laminated sheets using a temperature-vacuum method. Laminate is a very durable film that can imitate any wood pattern. Laminate can be both white and multi-colored, with any pattern.

Advantages of the laminate: ease of maintenance, high shock resistance, long service life.

MDF is an abbreviation for medium-density fibreboard: a type of board made from very small pieces of wood that have been pressed and stuck together. MDF is the preferred material, due to its structure, uniformity, standard dimensions; MDF material is great for engraving on CNC machines and it holds screws perfectly.

### Test

All the interior doors are produced to TSE (TS 1905) standards.

The press doors are installed as a set (frame + door leaf) and they are tested in the bootstrap machines.

We rigidly and routinely test selected products with drilling methods and record the results.

These include:

Horizontal resistance test

Vertical resistance – hanging test

Heavy/soft impact test

Light/hard impact test