

# The Door With The Core That Offers You More



## Caring for the Environment

Raw material used in the tubular core construction of our door is untreated saw mill residues from mills providing an environmentally friendly basis for the wood supply.

**(PEFC-certified) Raw material used in our honeycomb core construction is derived from recycled material that is recyclable and repulpable.**

Trucore Doors are veneer over edge, impact resistant, lightweight, environmentally friendly, have high level acoustics and their innovative core technology is unique in its characteristics and is a first in South Africa.



**Trucore**  
Architectural Doors



# Trucore Doors Medium Duty

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**Doors are a nominal 40 mm thick.**

**Inner frames are constructed of SA pine with two lock blocks.**

**Door cores are constructed of X-Core Honeycomb technology.**

**Door edges are either exposed SA pine or veneered over edge.**

**Door faces are made up of a suitable board substrate for painting or a veneered finish.**

Totally eco-friendly, the door's honeycomb core is manufactured using recycled material and offers:



### Weight Reduction

Honeycomb cores are incredibly lightweight which means easier transportation, handling, storage, and are simply lighter to work with.



### Strength

Innovative technology of the core delivers all the strength benefits of typical honeycomb type construction.



### Recyclable

Made from recycled material the core is fully recyclable and repulpable

**2 YEAR**  
guarantee  
against defective workmanship

*All ifuba's timber doors are manufactured with the highest standard of quality raw materials and are subjected to stringent quality checks throughout the manufacturing process. All ifuba timber doors are supplied with a standard 2-year guarantee against defective workmanship*

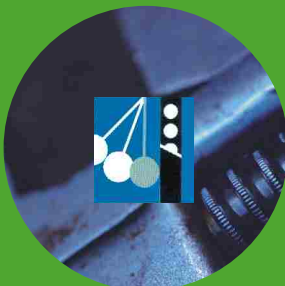
## Sizing Tolerances

Width:  $\pm 1\text{mm}$   
 Length:  $\pm 2\text{mm}$   
 Thickness:  $\pm 1.5\text{mm}$   
 Bow: 5mm measured across the width or length of the door

### Stock Door Sizes

Single Leaf: 810 x 2,030 mm  
 810 x 2,700 mm  
 Double Leaf: 1,200 x 2,030 mm  
 -unequal leaf with rebated meeting stiles  
 1,200 x 2,700 mm  
 -unequal leaf with rebated meeting stiles  
 1,620 x 2,030 mm  
 -equal leaf with rebated meeting stiles  
 1,620 x 2,700 mm  
 -equal leaf with rebated meeting stiles

## Mechanical Testing



The mechanical performance of a door is classified into various stress groups according to DIN EN 1192. The "hard impact" provides information about the surface impact resistance – an important indicator for the resistance of the door surface to daily wear and tear. The "soft impact" simulates stress caused by body impact on the door. In these tests the general door construction as well as the hinges are of significant importance.

# Trucore Doors Heavy Duty



**Doors are a nominal 40 mm thick.**

**Door cores are constructed with tubular core technology.**

**Door edges are generally solid veneered over edge.**

**Door faces are made up of a suitable board substrate for painting or decoration or a veneered finish.**

Based on the age old engineering principle, the door's tubular core construction offers:



## Weight Reduction

Tubular Cores reduce the door's weight by up to 60% compared to conventional solid doors.



## Strength

Pressure of up to 20kg/cm will not cause any deformation of the door's core.



## Sound Insulation

Sound Insulation of up to 30 d/b.

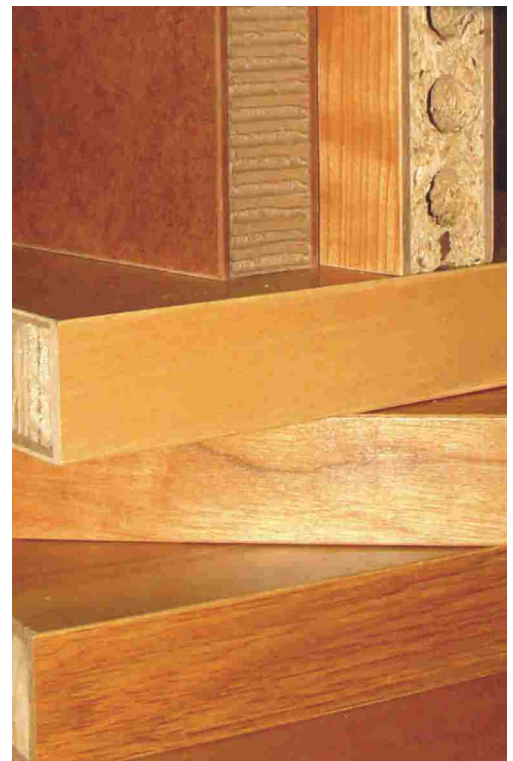


## Thickness Precision

Tubular Cores have a guaranteed thickness tolerance of +/- 0.1mm.



All 2 700mm high stock doors come with a *standard* bottom rail which allows for resizing of doors. We recommend a maximum of 40mm reduction to the bottom of the door for resizing. Non-standard door sizes can be made to order subject to prevailing lead times.



## Tests

A wide range of mechanical tests can be conducted in accordance with the respective standard:

- **Hard impact**
- **Soft impact**
- **Multiple function tests**
- **Screw and hinge withdrawal**

The multiple function test is conducted to ensure that all door elements withstand the dynamic stress of thousands of use cycles. Lock and hinges are particularly stressed. However, the whole door construction and extras such as glass panes are of special interest, too. The mechanical performance of certain components – e.g. withdrawal of screws and hinges – is just as important as the checking of complete door constructions.

# Handling and Storage

All Ifuba's timber doors are despatched from the factory pre-wrapped in protective packaging with timber support blocks to protect the bottom edge of the doors from damage. To ensure your doors remain in the same state of quality as they left the factory we recommend the following on site handling tips:

- **Doors must never be stored in an upright position with the top edge against a wall. This is the most common cause of doors bowing on site.**
- **Doors should be stored on a flat, level surface.**
- **Ideally doors should be stored on a protective board of at least 16mm in thickness with levelling bearers.**
- **Doors should never be stored in or near direct sunlight. This can result in veneer discolouration within a few hours.**
- **Do not sit on top of or store anything on top of or against timber doors being stored on site.**
- **Ensure the storage area is dry and well ventilated.**
- **Exercise caution when moving and fitting doors to ensure door edges and faces are not damaged.**
- **Doors, as a finishing product should be installed as late as possible in the building program to prevent damage from other trades.**

## SPECIFY TRUCORE DOORS

**Trucore Doors** to be Ifuba (medium or heavy duty) flush panel timber door (size w x h) x 40mm with (door face finish) to both sides suitable for (painting/polishing) with (veneer over edge) hardwood edge strips to vertical edges.

**Lead lined Doors** Doors to be Ifuba 2mm lead-lined solid core doors (size w x h) x 42mm with (door face finish) to both sides suitable for (painting /polishing) with veneer over edge.

For further information on Trucore Doors please contact our offices or your regional distributor. Visit our website for more information on our nationwide distributors.

Your local distributor is:

**Durban Head Office and Manufacturing Plant**  
10 Northgate Place, Redhill, Durban  
PO Box 40220, Redhill, 4071  
Tel : 031-5336400 Fax : 031-5336401  
Website : [www.ifuba.co.za](http://www.ifuba.co.za) Email : [info@ifuba.co.za](mailto:info@ifuba.co.za)

**Gauteng Sales, Distribution & Manufacturing**  
Northlands Business Park, Angus Mini Unit 5  
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