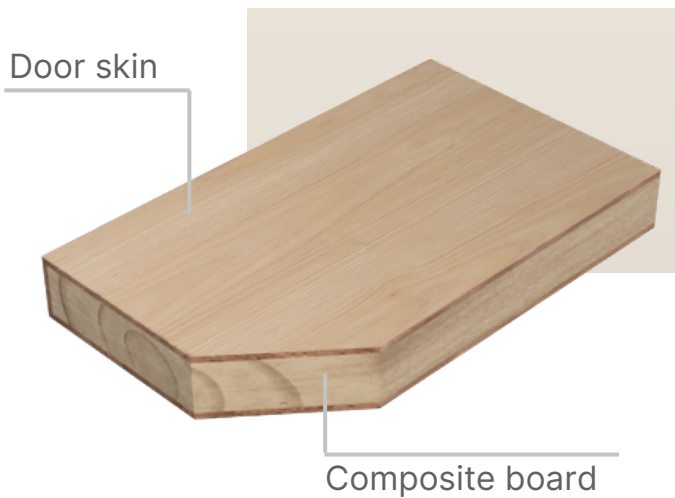
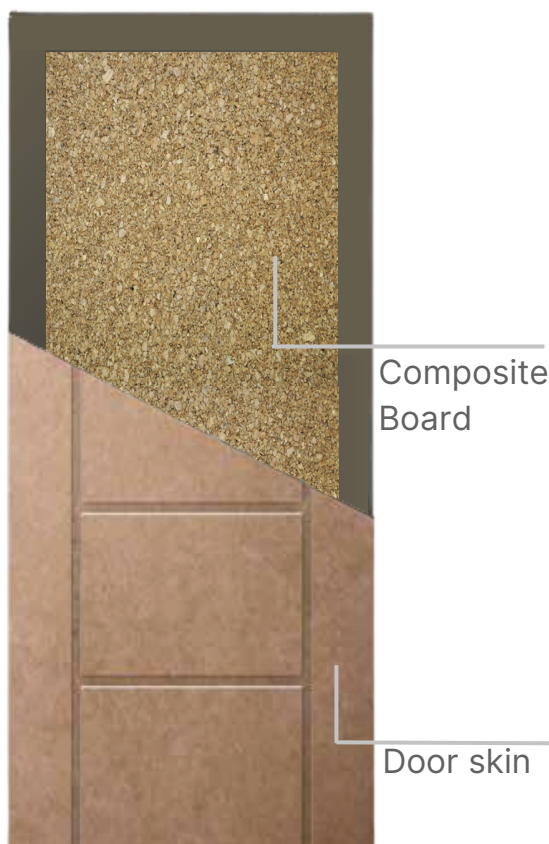


SOLID CORE



Solid core door is a type of door constructed with a solid material as its core, often made from wood, engineered wood, or composite materials. This core is surrounded by a veneer or laminate surface for added durability and aesthetics. Solid core doors are designed to provide a balance of durability, soundproofing, and insulation, making them popular for both residential and commercial applications.



Features of Solid Timber Core Doors:

- 1. Sound Insulation:** The dense core significantly reduces noise transmission, making them ideal for offices, bedrooms, or areas requiring privacy.
- 2. Security:** Solid core doors are difficult to kick down, though the type of core that the door uses plays a large role in their strength.
- 3. Soundproofing:** This varies based on the core used, but wooden doors will generally carry quite a lot of sound no matter what sort of core is used.
- 4. Thermal insulation:** Wood is quite an effective insulator and will not translate heat or cold easily. It is flammable though.

SEMI SOLID CORE



A semi-solid core door is a type of interior door that has a partially solid core, typically made from a combination of materials to balance durability, affordability, and weight. Unlike solid core doors, which are entirely filled with wood or composite material, semi-solid core doors have a core that consists of a mix of solid wood, particleboard, MDF (medium-density fiberboard), or honeycomb structures.

The following are key features of semi solid core door:



- **Structure:** The core is denser than a hollow core door but lighter than a fully solid core door. It may have a timber frame with an engineered or compressed core filling.
- **Material:** Often made with MDF, particleboard, or wood strips, covered with a veneer, laminate, or painted surface.
- **Sound Insulation:** Offers moderate soundproofing, making it suitable for interior use in homes and offices.
- **Durability:** More resistant to dents and damage compared to hollow core doors but not as heavy-duty as solid core doors.
- **Weight:** Lighter than solid core doors, making installation easier while still feeling sturdy.

HONEYCOMB CORE



Honeycomb core door comprises a framed door in filled with structural paper formed into a honeycomb pattern to provide support and rigidity which is glued in place between the door skins. As there are no solid materials within its frame, these doors are lightweight and are an affordable alternative to solid core timber doors.

The following are key features of honeycomb in filled timber doors:

- Light weight and easy to handle.
- Less hinges needed for hanging panel.
- Economical
- Produced from recycled paper

SIZE AVAILABLE

Honeycomb core



Single Leaf Door ~ $\leq 1200 \times 2400\text{mm}$
double Leaf ~ $\leq 2400 \times 2400\text{mm}$

MDF



PLYWOOD

