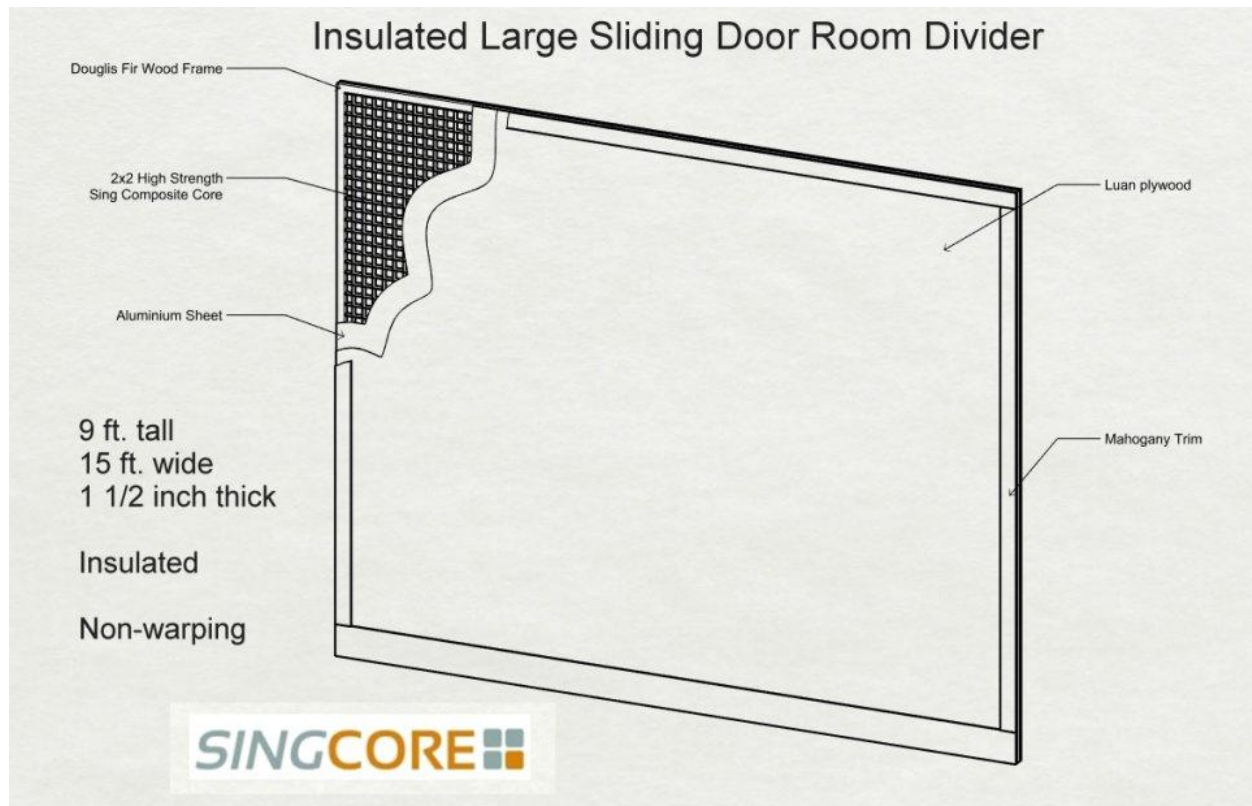


# Insulated Large Sliding Door Room Divider

## General Specifications



Sing Core premium insulated large sliding door room dividers are manufactured with patented Sing Core material as the base interior substrate of the door. The Sing Core substrate material is created using a vertical grain natural wood torsion box 2 inch grid design while the traditionally empty voids are filled wall to wall with recycled foam. The standard foam material is recycled rigid EPS foam. The core material is wood framed by 2 inch natural wood for finishing strength and attaching hardware. The torsion box is completed by adhering an exterior surface material (aluminum), with quarter-inch Luan plywood applied as surface material. Bonding agent used in adhesion of the entire composite material is formaldehyde-free.

Each Sing Core manufactured premium non-warping door is finished to specifications and guaranteed for 50 years for structural integrity.

### Detailed Specifications:

**Scope:** Subject to local building codes, the standard Sing Core door is intended for use in:

- Single family dwelling interior applications
- Multifamily dwelling, low-rise professional office, library and low-rise motel interior applications
- Lighter use industrial building and factory, hotel, restaurant and retail sales building interior applications

**Product Description:** Insulated Large Sliding Door Room Divider.

- Door component includes paint-grade door panel

**Door Panel Materials:** Sing Core premium insulated large sliding door room dividers are manufactured using Eco-friendly cold-press process. Composite materials include:

- Sing Core vertical wood-grain torsion substrate filled with recycled EPS foam
- Core material is framed with wood stiles and rails
- Facings are your choice of any flat building material available per specifications.
- Formaldehyde-free bonding agent is used for adhesion of all components

**Interior Blocking:** Optional solid wood implant(s) may be inserted for door knob and/lock block hard points.

**Delivery:** Reasonable care is taken to ensure safe transportation of your Sing Core door from factory to door shop for finishing and pick-up or deliver to your location.

**Storage and Protection:** Store your Sing Core door in an upright position and allow to acclimate to room temperature following shipment receipt or prior to finishing or installation.

**Preparation:** Per manufacturer's specifications, ensure that door frame openings are constructed plumb, true and level prior to installation. Select fasteners of adequate type, number and quality to assure proper function.

**Installation:** Installer shall be specialized in the installation of the type of work that is associated with the project and will comply with manufacturer's installation policies and procedures to ensure proper end use.

- Verify that hinging and latching assemblies operate freely and correctly

**Finishing:** The standard Sing Core premium insulated large sliding door room divider ships to your location in unfinished condition. Additional finishing options include your specifications at additional charge.

**Machining:** Sing Core doors are easy to work with in the millwork shop for CNC machining or on-site for finishing, sawing, sanding, cutting and fastening. No specialized skills or equipment is necessary, other than standard woodworking tools. Treat Sing Core doors just like you would any other standard door blank.

**Strength Performance:** Patented Sing Core has an unsurpassed strength as compared to other lightweight substrate materials tested at 660 PSI (based on 2" x 2" grids and 3/4" thick) for superior structural integrity and is resistant to warp, twist and crack when **compared to other materials**.

**Light Weight Performance:** Sing Core weighs much less than other traditional building materials, as much as 50% less; or more, as little as 4 lbs. per sq. ft. yet sustainable and true green technology.

**Insulation Performance:** Standard Sing Core doors feature built-in insulation value with an R3 rating per inch.

**Acoustical Performance:** Sing Core standard doors have a natural sound-deadening quality for noise control. Standard sound transmission class (STC) is 30.

**Eco-friendly:** Sing Core is manufactured using natural wood fibers, no formaldehyde, or toxic chemicals, is created using less energy than any other core material with little or no waste. The structure of Sing Core is 100% renewable (nature-grown) clean fiber and/or recycled material.

**Warranty:** Sing Core premium insulated large sliding door room dividers are structurally guaranteed for 50 years under normal conditions.

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