

Solid Core 520S / 530S Staved Lumber Core (SLC) 5 & 7-Ply

Hardwood Veneer / MDO / HDF or High Pressure Decorative Laminate (HPDL)

WDMA: SLC-5 / SLC-HPDL - Bonded core AWS: SLC-5 / SLC-HPDL - Bonded core

Unless specified otherwise all doors are constructed to Extra Heavy Duty performance levels.

Door sizes: (Non rated) 1-3/8" - 2-1/4" thick, up to 6' wide x 12' high (Check with sales for taller doors).



Top and Bottom Horizontal Edge: 1-1/8" minimum solid wood or structural composite lumber, one piece, laminated or LVL.

Vertical Edge: 3/4" minimum matching hardwood outer stile; 7/8" minimum finger jointed, composite or LVL inner stile.

Core: Staved Lumber Core, Blocks are staggered and tightly edge glued.

Core/Edge Interface: Stiles and rails are high frequency bonded to core and core assembly sanded prior to application of cross band and veneer.

Crossband: 2 ply edge glued hardwood or one piece HDF.

Faces: Selected hardwoods minimum 1/50", Grades "A" , "AA" and high pressure laminate, medium density overlay or hardboard. High pressure laminate 0.050" with cross band for total thickness of 0.125".



Warranty: Lifetime for interior use / one year limited exterior, fully type 1 wood or MDO faces only. See Vancouver Door Warranty.

Blocking Options: No blocking required for SLC core doors

Available rating options for 520S

Fire Ratings



 20 Minute: Neutral Pressure (NP) or Positive Pressure (PP) - Cat "A" or "B" and intumescent free. Smoke & Draft control label.

•	Max Sizes:	NP	PP
	Singles:	4' x 10'	4' x 9'
	Std Pairs:	8' x 10'	8' x 9'
	Dbl Egress:	8' x 10'	8' x 9'

- Transoms—Up to 4' x 3'4"
- Vision lites (louvers not allowed)
- Applied moldings, Quirks & Inlays.

See the "20 Minute" rating matrix and specifications sheet for hardware, frame and other information on ratings.

STC Ratings



- Standard construction = STC-28 to STC-32.
- Lites Recommended glazing systems must be used to obtain the maximum STC rating.
- Pairs or doors with transoms may require additional sealing / gasketing systems.
- "U" value = 0.46 (unglazed).
 Glazed doors vary based on glazing type. See "Default U factors for doors" matrix.

See the STC Transmission Information page.

LEED credits

WDMA: SLC-7 - Bonded core

AWS: SLC-7 - Bonded core

- EQ 4.4 Low Emitting Materials -No Added Urea Formaldehyde (NAUF)
- Low VOC's on all finishes.
- All products conform to "CARB" Phase II requirements.

See our "LEED" Matrix for additional information.

Available construction options for 520S

- Dutch Door (various shelf types available) See "Dutch shelf options".
- Wicket Door (Shelf upon request)
- Pairs, Set matches & Bifolds.
- Over-size doors & Splined sets.
- Full or Half louver Non rated.
- Vision Lites Various shapes & sizes. Glazed or unglazed.
- Arc or radius top to match jamb.

Sized, beveled & machined for just about any specified surface, concealed or electrified hardware and Prefinished.