

WDMA PERFORMANCE DUTY LEVELS
 

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VT's limited lifetime warranty covers the performance duty levels with our standard construction, as stated below:

DOOR TYPE	HINGE LOADING	SCREWHOLDING	CYCLE SLAM
Particleboard (PC-3) - Non-Rated & 20-Minutes (Holstein Facility)	Extra Heavy Duty	<b>Extra Heavy Duty</b> – meets requirements when blocking included for screw-attached surface hardware.  <b>Heavy Duty</b> – meets requirements without blocking for screw-attached surface hardware.	Extra Heavy Duty
Particleboard (PC-5) - Non-rated & 20-minute*	Extra Heavy Duty	<b>Extra Heavy Duty</b> – meets requirements when blocking included for screw-attached surface hardware.  <b>Heavy Duty</b> – meets requirements without blocking for screw-attached surface hardware.	Extra Heavy Duty
Particleboard (PC-5) - 45minute (Neenah & Two Rivers Facilities)	Extra Heavy Duty	Extra Heavy Duty	Extra Heavy Duty
Agrifiber Core Doors (WSPC-5)	Extra Heavy Duty	<b>Extra Heavy Duty</b> – meets requirements when blocking included for screw-attached surface hardware.  <b>Heavy Duty</b> – meets requirements without blocking for screw-attached surface hardware.	Extra Heavy Duty
Structural Composite Lumber (SCLC-5)	Extra Heavy Duty	Extra Heavy Duty	Extra Heavy Duty
Fire Composite Core (FD-5)	Extra Heavy Duty	<b>Extra Heavy Duty</b> – meets requirements when blocking included for screw-attached surface hardware.  <b>Heavy Duty</b> – meets requirements without blocking for screw-attached surface hardware.	Extra Heavy Duty
Composite Sound Core (STC-5)	Extra Heavy Duty	<b>Extra Heavy Duty</b> – meets requirements when blocking included for screw-attached surface hardware.  <b>Heavy Duty</b> – meets requirements without blocking for screw-attached surface hardware.	Extra Heavy Duty
Stile & Rail Doors (SR-5)	Extra Heavy Duty	Extra Heavy Duty	Extra Heavy Duty

\*Blocking availability subject to Sound Core construction.

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ANSI/WDMA I.S.1A Flush Wood Door Minimum Performance Standards

Performance Attribute	Performance Duty Level		
	Extra Heavy Duty	Heavy Duty	Standard Duty
Adhesive Bond Durability, WDMA TM-6	Type I or Type II	Type I or Type II	Type I or Type II
Cycle Slam, WDMA TM-7	1,000,000 cycles	500,000 cycles	250,000 cycles
Hinge-Loading, WDMA TM-8	2440 N (550 lbs.)	2110 N (475 lbs.)	1780 N (400 lbs.)
Door Finishes Various ASTM test methods	TR-6/OP-6 or equal <sup>(a)</sup>	TR-4/OP-4 or equal <sup>(a)</sup>	TR-2/OP-2 or equal <sup>(a)</sup>
Screwholding, WDMA TM-10			
Stile and Rail Face	2440 N (550 lbs.)	2110 N (475 lbs.)	1780 N (400 lbs.)
Vertical Door Edge <sup>(b)</sup>	2440 N (550 lbs.)	2110 N (475 lbs.)	1780 N (400 lbs.)
Horizontal Door Edge <sup>(b)</sup>	1330 N (300lbs.)	1060 N (240 lbs.)	810 N (180 lbs.)
Telegraph, Section T-1	Maximum 0.25 mm in any 76 mm span (0.010 inch in any 3 inch span)		
Warp Tolerance, Section T-2	Maximum 6.4 mm in any 1050 mm x 2100 mm (0.25 inch in any 3'-6" x 7'-0") door section		
Squareness, Section T-3	Diagonal variance 3.2mm (1/8 inch)		

## Notes:

<sup>(a)</sup> See Section F7. Other formulations may exhibit similar performance characteristics, but must meet or exceed the performance levels for the systems specified to be considered as equal.

<sup>(b)</sup> Horizontal and vertical door edge Screwholding applies when hardware is to be attached. See section C7 for blocking configuration and details.

<b>EXTRA HEAVY DUTY</b>	Typically involves doors where use is considered heavy and frequent and requires the highest minimum performance standards
<b>HEAVY DUTY</b>	Typically involves doors where usage is moderate and requires intermediate minimum performance standards
<b>STANDARD</b>	Typically involves doors where use is low and requires the lowest minimum performance standards