

**Parameters For Flat jamb 20 Minute Positive Pressure and Negative Pressure Rated Frame Assemblies**

Washington Hardwoods flat jamb door frames assemblies can be specified with either 20-minute positive pressure or 20-minute negative pressure fire ratings. Positive pressure requirements are up to current UBC-97 7-2 code. Washington Hardwoods rated frames have been independently tested and certified by Intertek Testing Services (formerly Warnock-Hersey).

<b>Condition</b>	<b>20 Minute Flat Jamb Negative Pressure</b>	<b>20 Minute Flat Jamb Positive Pressure</b>
Maximum Opening Single Swing Door	4'-0" X 7'-0"	4'-0" X 7'-0"
Maximum Opening Pair of Doors	8'-0" X 7'-0"	8'-0" X 7'-0"
Approved Door Manufacturer	Any 20 Minute Rated Door	Any 20 Minute Rated Door
HSS 2000 surface applied Intumescent Required	Not Required	Yes
S88 Smoke Seal Required	Yes	Yes
Electric Strikes	No	No
Concealed Closers	No (Surface mount only)	No (Surface mount only)
Concealed Vertical Rod Devices	Yes	Yes
Electric Lock with wire raceway	Yes	Yes
Hold Open	No	No
Overhead Stops	Must be within door manufactures specs	Must be within door manufactures specs
Rating Approved Latching Devices	Min ½" bolt throw	Min ½" bolt throw