



Quick Reference Chart for STC Rated Door Assemblies with Georgia-Pacific Gypsum Door Cores

GP Core	Operable STC Rating ¹	Operable OITC Rating ¹	Fixed STC Rating ¹	Intertek Fire Rating	Max Door Size Fire Rating (singles) ²	Nominal Door Wt. (lbs) ³	Stiles and Rails	Tested Hardware	Seal Systems	Sound Report
GP 32-90 NP FireDefender® Mineral Core	—	—	34	—	—	115	1" FireDefender FS II stiles, 2" FireDefender FS I top rail, 2" FireDefender FS bottom rail, (1" after final trim)	—	Inoperable	RAL™-TL09-124
	32	—	—	45-90 min NP ⁴	4/0 10/0			Mortised lock, BB Hinges	Seal Set #6	ATI A5305.03A-113-11
	32	—	—					Cylindrical lock, BB Hinges	Seal Set #6	ATI A5305.03B-113-11
GP 35-90 PP FireDefender Mineral Core	—	31	35	—	—	143	5" FireDefender FS II+ stiles and top rail, 5" FireDefender FS bottom rail (4.5" bottom rail after final trim)	—	Inoperable	ATI A4390.01-113-11
	35	30	—	45-90 min PP ⁵	4/0 9/0			Mortised lock, BB Hinges	Seal Set #8	ATI A5305.02-113-11
	34	32	—						Seal Set #7	ATI A4390.01-113-11
	33	32	—						Seal Set #6	ATI A4390.01-113-11
	31	30	—						Seal Set #5	ATI A4390.01-113-11
GP 39-45 PP 3-Ply Low Density Core	—	—	39	—	—	170	1" FireDefender FS II+ stiles, 1.5" FireDefender FS II+ top rail, 3" FireDefender FS I bottom rail (2.5" bottom rail after final trim)	—	Inoperable	RAL™-TL09-278
	39	35	—	45 min PP ⁶	3/0 7/0			Cylindrical lock, BB Hinges	Seal Set #1	ATI 99207.01-113-11
	39	35	—					Cylindrical lock, BB Hinges, 100 sq in vision panel LoPro IS 19 mm Pyrostop Glazing	Seal Set #1	ATI 99207.01-113-11
	37	34	—					Cylindrical lock, BB Hinges	Seal Set #2	ATI 99207.01-113-11
	37	35	—					Cylindrical lock, BB Hinges, 100 sq in vision panel LoPro IS 19 mm Pyrostop Glazing	Seal Set #2	ATI 99207.01-113-11
	38	—	—					Seal Set #3	RAL™-TL09-347	
GP 40-60 PP 3-Ply High Density Core	—	38	40	—	—	205	1" FireDefender FS II+ stiles, 1.5" FireDefender FS II+ top rail, 3" FireDefender FS I bottom rail (2.5" bottom rail after final trim)	—	Inoperable	ATI A4391.01-113-11, RAL™-TL09-277
	40	36	—	45 min PP ⁶	3/0 7/0			Cylindrical lock, BB Hinges, 100 sq in vision panel LoPro IS 19 mm Pyrostop Glazing	Seal Set #1	ATI 99206.01-113-11
	40	37	—					Mortised lock, BB Hinges	Seal Set #8	ATI A4391.01-113-11
	38	—	—	45-60 min PP ⁶	4/0 8/0			60-min. construction with intumescent at core/FireDefender FS joint	Cylindrical lock, BB Hinges	Seal Set #4

(continued from front)



Seal Systems	Perimeter Seals ⁷	Door Bottoms	Threshold ⁸
Seal Set #1	Zero 475 + Zero 119WB	Zero 369	None
Seal Set #2	Zero 475	Zero 369	None
Seal Set #3	2 rows of NGP 5050	NGP 312V	NGP 950S
Seal Set #4	2 rows of NGP 5050 + NGP 1071 SA	NGP 423N	NGP 950S
Seal Set #5	DHSI #105	DHSI #AMDB3-3 x SWE mortise door, 2x DP .375 bottom corners of jambs	None
Seal Set #6	DHSI #105	DHSI #CS door, 2x DP .375 bottom corners of jambs	None
Seal Set #7	Zero 119 WB + Zero 8145S-Bk	Zero 119 WB + Zero 367 surface	None
Seal Set #8	Zero 8145Bk + 119 WB	Zero 369	None

Notes:

- 1 Sound tests conducted in accordance with ASTM E90 and ASTM E413. Please see referenced sound report (available upon request) for complete details. Actual results may vary.
- 2 Maximum door size presented is for fire rating. Door size above 4/0 8/0 may affect STC ratings.
- 3 Nominal door weight presented is based on 3/0 7/0 door size.
- 4 Intertek Listing Report 21615 (GP 45-90 Min Flush Fire Doors NP).
- 5 Intertek Listing Report 21616 (GP 60-90 Min Flush Fire Doors PP).
- 6 Intertek Listing Report 24638 (GP 45-60 Min Flush Acoustical Fire Door PP/NP).
- 7 Head and jambs.
- 8 Where thresholds are not required, door bottoms must have contact with a solid smooth surface.

These charts are intended as a quick reference tool to identify Sound Transmission Class (STC) rated door assemblies utilizing Georgia-Pacific Gypsum door cores and FireDefender® components. It is important that you consult the appropriate STC test report and Intertek listing report for complete assembly information and related information, including manufacturing and machining information. Changes in sound ratings and fire ratings could be expected if alterations or deviations occur from the door construction or hardware configuration described in such reports. For additional information concerning Georgia-Pacific Gypsum's door components, including fire test standards, please visit www.gp.com/safetyinfo.

Georgia-Pacific Gypsum manufactures only the core and FireDefender composition edge banding identified in these assemblies. The facing materials, adhesives, hardware and other door components are not manufactured by Georgia-Pacific Gypsum. Georgia-Pacific Gypsum does not warrant the performance of any door assembly or of any component manufactured by third parties. The door manufacturer is advised to confirm the performance characteristics of components used in their door product(s).

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HANDLING AND USE – WARNING! Sanding, machining or abrading this product after drying may generate dust which can irritate eyes, nose, throat, skin and upper respiratory

tract. Use wet sanding to minimize dust generation and always maintain proper ventilation in the work area. Avoid breathing dust and minimize contact with skin and eyes. Wear long sleeve shirts, long pants and eye protection. Use a dust mask or NIOSH/MSHA approved respiratory protection while sanding, machining and during clean-up as appropriate.

CAUTION: This product contains fiberglass which may cause skin irritation. Dust and fibers produced during the handling, sanding, machining, and installation of the product may cause skin, eye and respiratory tract irritation. Use wet sanding to minimize dust generation and always maintain proper ventilation in the work area. Avoid breathing dust and minimize contact with skin and eyes. Wear long sleeve shirts, long pants and eye protection. Always maintain adequate ventilation. Use a dust mask or NIOSH/MSHA approved respirator as appropriate in dusty or poorly ventilated areas.

For additional product fire, safety and use information go to www.gp.com/safetyinfo or call 1-800-225-6119.

FIRE SAFETY CAUTION: Passing a fire test in a controlled laboratory setting and/or certifying or labeling a product as having a one-hour, two-hour, or any other fire resistance or protection rating and, therefore, as acceptable for use in certain fire rated assemblies/systems, does not mean that either a particular assembly/system incorporating the product, or any given piece of the product itself, will necessarily provide one-hour fire resistance, two-hour fire resistance, or any other specified fire resistance or protection in an actual fire. In the event of an actual fire, you should immediately take any and all actions necessary for your safety and the safety of others without regard for any fire rating of any product or assembly/system.

