

Sound Transmission Tested Fire-Rated Wood Floor Truss Assemblies:

Reference	Fire Rating	Spacing	Depth	Subfloor	UL/Topping	Insulation	Channel	Ceiling Finish	Floor Covering	STC/FSTC	IIC/IIIC	Source
UL L528	1 HR	24" oc	12"	23/32"			FC	5/8" Type C	Carpet	48	56	TPI
	1 HR	24" oc	12"	23/32"			FC	5/8" Type C	Vinyl	45	37	TPI
	1 HR	24" oc	12"	23/32"	1-1/2" Concrete		FC	5/8" Type C	Carpet	57	72	TPI
	1 HR	24" oc	12"	23/32"	1-1/2" Concrete		FC	5/8" Type C	Vinyl	57	50	TPI
	1 HR	24" oc	12"	3/4"	3/4" Gyp-Crete		FC	5/8" Type C	NONE	58		Maxxon
	1 HR	24" oc	12"	3/4"	3/4" Gyp-Crete		FC	5/8" Type C	Carpet & Pad		74	Maxxon
	1 HR	24" oc	12"	3/4"	3/4" Gyp-Crete		FC	5/8" Type C	Cushioned vinyl		53	Maxxon
	1 HR	24" oc	16"	3/4"	1/2" 440 Sound Barrier		RC	5/8" Type C	Wood	52	51	Homasote
	1 HR	24" oc	16"	3/4"	1/2" 440 Sound Barrier		RC	5/8" Type C	Carpet & Pad	51	72	Homasote
	1 HR	24" oc	14"	3/4"	3/4" Maxxon GypCrete		FC + RSIC-1	5/8" Type C	Vinyl	61	53	Pac Int.
	1 HR	24" oc	18"	3/4"	1" Lt Wt gypsum concrete + dampproofing membrane	3-12"	FC + RSIC-1	2- 5/8" Type C (per UL with insul)	Ceramic Tile	52	50	Pac Int.
UL L529	1 HR	24" oc	12"	23/32"			Metal	5/8" Type C	Carpet	48	56	TPI
	1 HR	24" oc	12"	23/32"			Metal	5/8" Type C	Vinyl	45	37	TPI
	1 HR	24" oc	12"	23/32"	1-1/2" Concrete		Metal	5/8" Type C	Carpet	57	72	TPI
	1 HR	24" oc	12"	23/32"	1-1/2" Concrete		Metal	5/8" Type C	Vinyl	57	50	TPI
UL L546	1 HR	24" oc	18"	3/4"	1-1/2" Gyp-Crete + 1/2" Enkasonic	Max 3-1/2"	RC	5/8" Type C	NONE	59		Maxxon
?	1 HR	24" oc	18"	3/4"	1-1/2" Gyp-Crete + 1/2" Enkasonic	Max 3-1/2"	RC	5/8" Type C	Carpet & Pad		83	Maxxon
?	1 HR	24" oc		3/4"	3/4" LevelRock	Max 3-1/2"	RC	5/8" Type C	2mm Vinyl	58	48	USG
?	1 HR	24" oc	18"	23/32"	1" LevelRock	Max 3-1/2"	RC	5/8" Type C	NONE	58		USG
?	1 HR	24" oc	18"	23/32"	1" LevelRock	Max 3-1/2"	RC	5/8" Type C	24 oz Carpet & 7/16" pad	58	76	USG
?	1 HR	24" oc	18"	23/32"	1" LevelRock	Max 3-1/2"	RC	5/8" Type C	2mm vinyl	58	48	USG
?	1 HR	24" oc	18"	23/32"	1" LevelRock + 0.4" Enkasonic 9110	Max 3-1/2"	RC	5/8" Type C	NONE	61		USG
?	1 HR	24" oc	18"	23/32"	1" LevelRock + 0.4" Enkasonic 9110	Max 3-1/2"	RC	5/8" Type C	5/16" tile	61	56	USG
?	1 HR	24" oc	18"	3/4"	1" LevelRock + 0.4" Enkasonic 9110	Max 3-1/2"	RC	5/8" Type C	24 oz Carpet & 7/16" pad	61	73	USG
?	1 HR	24" oc	18"	23/32"	1" LevelRock + 0.4" Enkasonic 9110	Max 3-1/2"	RC	5/8" Type C	2mm Vinyl	61	55	USG
FC-214	1 HR	24" oc	12"	19/32"				Dbl 1/2" Type X	Carpet	48	54	TPI
	1 HR	24" oc	12"	19/32"				Dbl 1/2" Type X	Vinyl	47	35	TPI
	1 HR	24" oc	12"	19/32"	3/4" Gypcrete			Dbl 1/2" Type X	Carpet	52	63	TPI
	1 HR	24" oc	12"	19/32"	3/4" Gypcrete			Dbl 1/2" Type X	Vinyl	53	43	TPI
	1 HR	24" oc	12"	19/32"	1-1/2" Concrete			Dbl 1/2" Type X	Carpet	56	72	TPI
	1 HR	24" oc	12"	19/32"	1-1/2" Concrete			Dbl 1/2" Type X	Vinyl	56	48	TPI
TSC/FCA 60-02 & 6	1 HR	24"	10"	5/8"		3.5"	RC	5/8" Type C	NONE	50		Truswall

TSC/FCA 60-02 & 6	1 HR	24"	10"	5/8"	1-1/2" Lt Wt Concrete	3.5"	RC	5/8" Type C	NONE	57		Truswall
TSC/FCA 90-02	1.5 HR	24"	10"	5/8"		3.5"	RC	2- 5/8" Type C	NONE	53		Truswall
TSC/FCA 90-02	1.5 HR	24"	10"	5/8"	1-1/2" Lt Wt Concrete	3.5"	RC	2- 5/8" Type C	NONE	57		Truswall

? USG& Maxxon assemblies appear to reference L528 but include insulation. Closer to L546. I have emailed USG, Maxxon, & Pac Int. Only Pac Int. has responded with clarification.

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