

# FIRE & SOUND MANUAL

**ARCHITECT VERSION** 

NOTE REGARDING CANADIAN PROJECTS: Canada accepts all UL Fire Designs listed in this manual. For additional information on Canadian Fire Designs, refer to page 12.

DISCLAIMER: For complete assembly information for a specific fire design, click on the UL number or visit Underwriters' Laboratories website. While the assemblies of the sound tests were constructed to best represent the most commonly built version of the UL fire design, some variances in construction may have occurred (i.e. within a particular UL rating there can be the allowances for different joist spacing and joist depths, different thicknesses and types of insulation or even no insulation, different types of channel, etc). The sound tests are a representation of what can be expected for sound control ratings when building a floor/ceiling assembly with a specific floor joist assembly that relates to a UL fire design using the designated sound control mat. However, due to the many variables beyond our control (for example quality control of drywall installation, type of resilient channel, density and selection of other building materials, flanking paths, etc.), the sound tests in this resource should not be considered a guarantee of performance. For this same reasoning and the fact that the sound tests were run in different buildings, different laboratories, and different environments, this data can be used for comparison and design evaluation but should not be considered a guarantee of performance. All acoustical testing was done by Architectural Testing, Riverbank Testing Laboratories; Intest, Inc.; Intertek Laboratories; Twin City Testing Corporation; D.L. Adams Associates, L.T.D.; Veneklasen Associates; Maxxon R&D Sound Chamber; NGC Testing Services; AV Group or JGL Acoustics. For assistance determining the right system and UL Fire Rating for your project, contact your Maxxon Regional Representative at (800) 356-7887.



# PARALLEL CHORD TRUSS 1 HOUR FIRE DESIGNS

				_ Min.				Sound	Rating	
Min. Truss Depth per UL	Insulation	Resilient Channel	Drywall	Topping Depth	Sound Mat	Floor Covering*	STC	IIC	Test Number	Maxxon UL Fir Ratings
						Ceramic Tile	58		H6130.01	
						LVT		41	H6130.02	
					None	Ceramic Tile		35	H6130.01	Minimum of 12" Truss
						Carpet & Pad		71	10101.02	12 Iruss
				3/4" (19 mm)		Sheet Vinyl		52	10101.09	L528 L529
				(17 11111)		LVT		50	10101.07	L542
					Acousti-Mat 1/8	Ceramic Tile		52	10101.30	L563 L574
						Engineered Wood		55	10101.10	L576
						Carpet and Pad		72	10101.11	L579 L581
						Sheet Vinyl		54	10106.20	L583 L592
						LVT		53	10106.18	M508
					Acousti-Mat 1/4	Ceramic Tile		55	10106.24	ICC ESR #254 UL ER #8477-
						Engineered Wood		55	10106.21	OL LK #O477
						Carpet and Pad		71	10106.22	
						Sheet Vinyl		55	10101.17	
						LVT		54	10101.15	
					Acousti-Mat 1/4 Premium	Ceramic Tile		55	10101.21	
					rieiiiiuiii	Engineered Wood		55	10101.18	
			5/8"	1" (25 mm)		Carpet and Pad		76	10101.19	
18"	Yes	Yes	(16 mm)	(23 11111)		Sheet Vinyl		56	10106.28	
						LVT		55	10106.26	
					Acousti-Mat 3/8	Ceramic Tile		57	10106.32	
						Engineered Wood		56	10107.05	
						Carpet and Pad		75	10106.30	Minimum of 18" Truss
						LVT		57	10107.27	
					Acousti-Mat 3/8	Ceramic Tile		58	10107.32	L534 L546
					Premium	Engineered Wood		58	10107.29	L558
						Carpet and Pad		79	10107.30	L562 L574
						Sheet Vinyl		57	10101.25	L585
						LVT		56	10101.23	M503
					Acousti-Mat 3/4	Ceramic Tile		59	10101.29	
					,	Engineered Wood		57	10101.26	
				1-1/2"		Carpet and Pad		77	10101.27	
				(38 mm)		Sheet Vinyl		58	10107.20	
						LVT		59	10107.19	
					Acousti-Mat 3/4	Ceramic Tile		60	10107.24	
					Premium .	Engineered Wood		60	10107.21	
						Carpet and Pad		79	10107.22	

\* Contact Maxxon for specific brand, thickness, and installation details.

Other Parallel Chord Truss ULs: For special assemblies and other burn ratings including 2 hr designs, additional Parallel Chord Truss UL Fire Ratings exist. Refer to pages 11 & 12 for a list of these assemblies. The sound tests above are examples of the many sound tests we have on file. Please refer to the disclaimer on the cover of this guide. For assistance determining the right system and UL Fire Rating for your project, contact your Maxxon Regional Representative at (800) 356-7887.



## I-JOIST 1 HOUR FIRE DESIGNS

		n de .		_ Min.				Sound	Rating		
Min. Truss Depth per UL	Insulation	Resilient Channel	Drywall	Topping Depth	Sound Mat	Floor Covering*	STC	IIC	Test Number	Maxxon UL Fire Ratings	
						Bare		29	IN 86-1		
					None	Sheet Vinyl		40	IN 86-2		
						Carpet and Pad		70	IN 86-6		
				3/4"		Sheet Vinyl	57	50	10108.09		
				(19 mm)		LVT		52	10110.18		
					Acousti-Mat 1/8	Ceramic Tile		50	10110.24		
						Engineered Wood		51	10108.10		
						Carpet and Pad		77	10110.22		
						Sheet Vinyl		52	10109.20		
						LVT		54	10109.18		
					Acousti-Mat 1/4	Ceramic Tile		54	10109.24		
						Engineered Wood		54	10109.21		
						Carpet and Pad		81	10109.22		
						Sheet Vinyl		55	10108.33	1520	
							LVT		55	10108.32	L530 M535
				2 Layers		Acousti-Mat 1/4 Premium	Ceramic Tile		57	10108.37	WH J20050694 ICC ESR 1141
9-1/2"	Yes	Yes	5/8"		rieiliiuili	Engineered Wood		56	10108.34	ICC ESR 1153	
			(16 mm)	1"		Carpet and Pad		83	10108.35	ICC ESR 1305 ICC ESR 1336	
				(25 mm)		Sheet Vinyl		56	10110.12	ICC ESR 2994	
						LVT		55	10110.10	UL ER 8477	
					Acousti-Mat 3/8	Ceramic Tile		59	10110.16		
						Engineered Wood		58	10110.13		
						Carpet and Pad		77	10110.14		
						Sheet Vinyl		59	10110.28		
						LVT		57	10110.26		
					Acousti-Mat 3/8 Premium	Ceramic Tile		60	10110.32		
					TIGHIIGH	Engineered Wood		59	10110.29		
						Carpet and Pad		84	10110.30		
						Sheet Vinyl		58	10108.25		
						LVT		57	10108.24		
				1-1/2" (38 mm)	Acousti-Mat 3/4	Ceramic Tile		59	10108.29		
				(ou min)		Engineered Wood		59	10108.26		
						Carpet and Pad		79	10108.27		

\* Contact Maxxon for specific brand, thickness, and installation details.

Other I-Joist ULs: For special assemblies and other burn ratings, additional I-Joist UL Fire Ratings exist. Refer to page 12 for a list of these assemblies. The sound tests above are examples of the many sound tests we have on file. Please refer to the disclaimer on the cover of this guide. For assistance determining the right system and UL Fire Rating for your project, contact your Maxxon Regional Representative at (800) 356-7887.



## 2X10 WOOD JOIST HOUR FIRE DESIGNS

Min. Truss		Resilient						Sound	l Rating	Maxxon UL
Depth per UL	Insulation	Channel	Drywall	Min. Topping Depth	Sound Mat	Floor Covering*	STC	IIC	Test Number	Fire Ratings
						None	56		10110.01	L006 L525
						Sheet Vinyl		44	D8457.19	L201 L526 L202 L533 L206 L535
				3/4" (19 mm)	None	LVT		35	D8457.06	L200 L533 L209 L537 L210 L539
						Ceramic Tile		29	D8457.01	L212 L540 L501 L545 L502 L557
101	V	V	5/8"			Carpet and Pad	60		TL81-16	L503 L569 L504 L581
10"	Yes	Yes	(16 mm)			Sheet Vinyl		51	10112.20	L507 L583 L512 L590 L513 L593
						LVT		51	10112.19	L514 M514 L515 M517
				1" Acousti-Ma		Ceramic Tile		52	10112.24	L516 M518 L517 M519 L519 M530
						Engineered Wood		51	10112.21	L522 M531 L523
						Carpet and Pad		73	10112.22	

<sup>\*</sup> Contact Maxxon for specific brand, thickness, and installation details. \*\* Depending on UL Fire Design, sound tests were on 3/4", so ratings can apply to both depths.

Other 2x10 Uls: For special assemblies and other burn ratings including 2 hr designs, additional 2x10 Wood Joist UL Fire Ratings exist. Refer to pages 11 & 12 for a list of these assemblies. The sound tests above are examples of the many sound tests we have on file. Please refer to the disclaimer on the cover of this guide. For assistance determining the right system and UL Fire Rating for your project, contact your Maxxon Regional Representative at (800) 356-7887.



#### OLD TIMBER

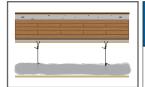
		Resilient		Min. Topping				Sound F	Rating
Truss/Joists	Insulation	Channel	Drywall	Depth	Sound Mat	Floor Covering*	STC	IIC	Test Number
				NI /A	None	None	30 F-STC		3018 02 31573.7
				N/A	None	None		33 F-IIC	3018 02 31573.5
						Tile	47 F-STC		3018 02 31573.6
Dimensional				1.1./9"	Acousti-Mat 3/4	Engineered Wood on Pad		52 F-IIC	3018 02 31573.4
Lumber	No	No	N/A	1-1/2" (38 mm)		Vinyl		46 F-IIC	3018 02 31573.3
					Acousti-Mat 3/4 & Acousti-Mat SBR	Cementitious Overlayment	52 F-STC	51 F-IIC	30160-04-62432
				2" concrete (51 mm)	Acousti-Mat 3/4 Premium	Exposed Concrete		47 F-IIC	D7299.02-201-10

<sup>\*</sup> Contact Maxxon for specific brand, thickness, and installation details.

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## CLT (CROSS LAMINATED TIMBER)



		n 4		_ Min.				Sound F	Rating	Maxxon
CLT	Insulation	Resilient Channel	Ceiling	Topping Depth	Sound Mat	Floor Covering*	STC	IIC	Test Number	UL Fire Ratings
						LVT	54 F-STC		F1177.02-201-10	
5-ply	3-1/2"	V	Suspended Ceiling	3/4"	Acousti-Mat	Carpet and Pad	54 F-STC		F1177.02-201-10	11.00
(7")	Batt Insulation	Yes	w/ 5/8" Drywall	(19 mm)	1/8	LVT		56 F-IIC	F1177.03-201-10	M533
						Carpet and Pad		74 F-IIC	F1177.04-201-10	



		Deathana			Min.					Sound	Rating	Maxxon
Œ	Insulation	Resilient Channel	Ceiling	Drywall	Topping Depth	Sound Mat	Topical Mat	Floor Covering*	STC	IIC	Test Number	UL Fire Ratings
								None	47 F-STC		G9088.06-201-10	
							No	None		47 F-IIC	G9088.01-201-10	
						Acousti-Mat		LVT		49 F-IIC	G9088.02-201-10	NI /A
						3/4	A ct	LVT on Pad		52 F-IIC	G9088.03-201-10	N/A
					1-1/2"**		Acousti-Top	Eng. Wood on Pad		51 F-IIC	G9088.04-201-10	
					(38 mm)		No	Carpet and Pad		75 F-IIC	G9088.05-201-10	
							No	None	49 F-STC		H6109.19-201-10-R0	
						Acousti-Mat	No	None		45 F-IIC	H6109.15-201-10-R0	
5-ply (6.875")	No	No	No	No		3/4 Premium	No	LVT		47 F-IIC	H6109.16-201-10-R0	
							Acousti-Top	LVT		49 F-IIC	H6109.17-201-10-R0	
							No	None	51 F-STC		H6109.14-201-10-R0	
							No	None		48 F-IIC	H6109.13-201-10-R0	N/A
						Acousti-Mat	No	LVT		53 F-IIC	H6109.12-201-10-R0	
					2-1/2" (64 mm)	SBR, Acousti-Mat	Acousti-Top	LVT		58 F-IIC	H6109.10-201-10-R0	
					,21,,	3/4 Premium	No	Engineered Wood		53 F-IIC	H6109.09-201-10-R0	
							Acousti-Top	Engineered Wood		56 F-IIC	H6109.07-201-10-R1	
							No	Carpet and Pad		82 F-IIC	H6109.06-201-10-R1	



		n. dian			Min.				Sound F	lating	Maxxon
CLT	Insulation	Resilient Channel	Ceiling	Drywall	lopping Depth	Sound Mat	Floor Covering*	STC	IIC	Test Number	UL Fire Ratings
7"	No	No	No	No	None	No	None	39 F-STC	22 F-IIC	301006866	L901

<sup>\*</sup> Contact Maxxon for specific brand, thickness, and installation details. \*\* Field testing with 1½" topping has revealed test numbers ranging from 44—49 F-STC. We recommend using a 2" topping depth if code minimum is required.

The sound tests above are examples of the many sound tests we have on file. Please refer to the disclaimer on the cover of this guide. For assistance determining the right system for your project, contact your Maxxon Regional Representative at (800) 356-7887. Cross laminated timber panel thickness can very slightly between manufacturers.



# STEEL JOIST/PLYWOOD SUBFLOOR 1 HOUR FIRE DESIGNS

		Resilient						Sc	ound Rating	Maxxon UL
Subfloor	Insulation	Channel	Drywall	Min. Topping Depth	Sound Mat	Floor Covering*	STC	IIC	Test Number	Fire Ratings
						Carnet & Dad	51 F-STC		4140 94-2168.1	
					None	Carpet & Pad		73 F-IIC	4140 94-2168.2	
						LVT		49 F-IIC	4140 94-2278	
				3/4" (19 mm)		None	58 F-STC		CRA-iSpan	
				(17 11111)	4 .: 11 /0	Hardwood		54 F-IIC	CRA-iSpan	
					Acousti-Mat 1/8	Tile		49 F-IIC	CRA-iSpan	
			5/8"			Vinyl		53 F-IIC	CRA-iSpan	
3/4" T&G	Yes	Yes	(16 mm)			None	59 F-STC		CRA-iSpan	L564
Plywood	Yes	Yes		]"	A 1 /4	Hardwood		53 F-IIC	CRA-iSpan	L565 M513
				(25 mm)	Acousti-Mat 1/4	Tile		49 F-IIC	CRA-iSpan	
						Vinyl		52 F-IIC	CRA-iSpan	
						Tile		57 F-IIC	FIIC 04-22-1	
				1-1/2" (38 mm)	Acousti-Mat 3/4	Vinyl		57 F-IIC	FIIC 04-22-2	
				(55 11111)		Hardwood		58 F-IIC	FIIC 04-22-3	
			2 layers 5/8"	]"	A 1 /4	Tile		56 F-IIC	06-24-1	
			(2 x 16 mm)	(25 mm)	Acousti-Mat 1/4	Carpet & Pad		71 F-IIC	06-24-2	

<sup>\*</sup> Contact Maxxon for specific brand, thickness, and installation details.

The sound tests above are examples of the many sound tests we have on file. Please refer to the disclaimer on the cover of this guide. For assistance determining the right system and UL Fire Rating for your project, contact your Maxxon Regional Representative at (800) 356-7887.



### COMPOSITE STEEL/ CONCRETE FLOOR CEILING ASSEMBLIES

Concrete								Sc	ound Rating	Maxxon UL
Depth	Insulation	Ceiling	Drywall	Min. Topping Depth	Sound Mat	Floor Covering*	STC	IIC	Test Number	Fire Ratings
3½" Concrete over Steel Deck	No	Hat Channel Attached to Joist	5/8" (16 mm)	None	None	None	57 STC	28 IIC	TL 01-213, IN 01-8	
3" Concrete		Wire Hung	5/8" (16 mm)	None	None	None	55 STC	47 IIC	3193995CRT-001.8	G561
over 9/16" Corrugated	Yes	Grid 17½" Airspace	Drywall	None	Acousti-Top	Eng Wood	55 STC	64 IIC	3193995CRT-001.5	
Steel Deck		Deck to Ceiling	5/8" (16 mm) Ceiling Tile	None	Acousti-Top	Eng Wood	54 STC	62 IIC	3193995CRT-001.28	
21/" 1:		Wire Hung Grid 34"		None	Acousti-Top	Tile		66 F-IIC	NAC Centerpoint	
2½" Lightweight Concrete over	Yes	Airspace	5/8" (16 mm)	3/8" (10 mm)	Acousti-Top	Eng Wood		64 F-IIC	NAC Centerpoint	D502
Steel Deck		Deck to Ceiling		1" (25 mm)	Acousti-Mat 1/4	Eng Wood		64 F-IIC	NAC Centerpoint	

 $<sup>^{\</sup>star}$  Contact Maxxon for specific brand, thickness, and installation details.

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# STEEL JOIST/STEEL DECK 1 AND 2 HOUR FIRE DESIGNS

		Resilient		Min.				Soun	d Rating	Maxxon UL Fire
Subfloor	Insulation	Channel	Drywall	Topping Depth	Sound Mat	Floor Covering*	STC	IIC	Test Number	Ratings
					None	Ceramic Tile		39	10115.01	
					Notice	Carpet and Pad		73	10115.02	
				3/4"		Sheet Vinyl		51	10117.04	
				(19 mm)	Accordi Mad 1 /0	LVT		51	10117.03	
					Acousti-Mat 1/8	Engineered Wood		52	10117.05	G551**
						Carpet and Pad		73	10117.06	G553** G560**
						Sheet Vinyl	55	53	10114.04	G563** G566**
Steel Deck	Yes	Vac	2 layers 5/8"			LVT		52	10114.02	G574** G587
Steel Deck	tes	Yes	(2 x 16 mm)		Acousti-Mat 1/4	Ceramic Tile		55	10114.08	G592
						Engineered Wood		54	10114.05	G597 H502
				]"		Carpet and Pad		82	10114.06	M511 ICC ESR# 2540**
				(25 mm)		Sheet Vinyl		53	10115.10	UL ER # 8477-01**
						LVT		53	10115.09	
					Acousti-Mat 3/8	Ceramic Tile		56	10115.14	
						Engineered Wood		55	10115.11	
						Carpet and Pad		80	10115.12	

\* Contact Maxxon for specific brand, thickness, and installation details. \*\* See UL for specific design detail difference between ratings.

The sound tests above are examples of the many sound tests we have on file. Please refer to the disclaimer on the cover of this guide. For assistance determining the right system and UL Fire Rating for your project, contact your Maxxon Regional Representative at (800) 356-7887.



# SURE-BOARD/CEMCO SYSTEM 1 HOUR OR 11/2 HOUR FIRE DESIGNS

								Sc	ound Rating	Maxxon UL
Subfloor	Insulation	Ceiling	Drywall	Min. Topping Depth	Sound Mat	Floor Covering*	STC	IIC	Test Number	Fire Ratings
				None	None	None	61 STC	41 IIC	16-0201	
			2 1			LVT		52 IIC	16-0803	
Sure-bond 200 S	Yes	No	2 layers of 5/8"	1"	A 5 Mar. 1 /4	Hardwood		57 IIC	16-0804	H503
			(16 mm)	(25 mm)	Acousti-Mat 1/4	Vinyl		57 IIC	16-0802	
						Hardwood		60 IIC	16-0805	

\* Contact Maxxon for specific brand, thickness, and installation details.

The sound tests above are examples of the many sound tests we have on file. Please refer to the disclaimer on the cover of this guide. For assistance determining the right system for your project, contact your Maxxon Regional Representative at (800) 356-7887.



## PRECAST CONCRETE 1, 2, AND 3 HOUR FIRE DESIGNS

Concrete		Resilient	Suspended						Sound	Rating	Maxxon UL Fire
Depth	Insulation	Channel	Ceiling	Drywall	Min. Topping Depth	Sound Mat	Floor Covering*	STC	IIC	Test Number	Ratings
6"	Yes	Yes	Yes	5/8"	1"	Acousti-Mat 1/4	Tile	59 STC		TL98-108	
0	162	162	162	(16 mm)	(25 mm)	ACOUSIFMUI 1/4	Tile		57 IIC	IN98-12	J917**
					1/2"	None	None	58 F-STC		5-896	J919** J920**
					(13 mm)	None	Carpet Direct		75 F-IIC	5-896-2	J924**
							Tile		54 F-IIC	B2863.04-201-10	Ј927** Ј931**
8"	No	No	No	None	3/4" (19 mm)	Acousti-Mat 1/8	LVT		56 F-IIC	B2863.05-201-10	J957** J958**
0	NO	NO	NO	None	(		Engineered Wood		54 F-IIC	B2863.06-201-10	J991**
							None	61 F-STC		B5011.04-201-10	J994** ICC ESR # 2540**
					1" (25 mm)	Acousti-Mat 1/4	Tile		59 F-IIC	B5011.04-201-10	UL ER # 8477-01**
					(23 11111)		LVT		57 F-IIC	B5011.04-201-10	

<sup>\*</sup> Contact Maxxon for specific brand, thickness, and installation details. \*\* See UL for specific design detail difference between ratings.

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## CONCRETE 1, 2, AND 3 HOUR FIRE DESIGNS

Concrete		Resilient Suspended Min. Topping			Sound Rating			Maxxon UL				
Depth	Insulation	Channel	Suspended Ceiling	Drywall	Min. Topping Depth	Sound Mat	Floor Covering*	STC	IIC	Test Number	Fire Ratings	
4"	No	No	No	None	1" (25 mm)	Acousti-Mat 1/4	Concrete Micro-Topping		50 F-IIC	30160 03 57761	J804**	
4	NO NO	NO	NO NO	None	1-1/2" (38 mm)	Acousti-Mat 3/4	Concrete Micro-Topping		59 F-IIC	30160 03 57761	J805**	
							LVT	52	52	H8289.01-303-11-R1		
6"	No	No	No	No	N/A	Acousti-Top	LVI		∆IIC 22	H8289.01-303-11-R1		
							Tile		ΔIIC 19	7018019		
					N (4	None	None	61 A-STC		F07-567		
					N/A	None	Notie		34 F-IIC	F07-568		
							IV.T.	62 F-STC		18 0-0607.2		
					]"		LVT		64 F-IIC	18 0-0607.5		
			No	None	(25 mm)	Acousti-Mat 1/4	Hardwood		60 F-IIC	18 0-0607.7		
							Tile		61 F-IIC	18 0-0607.6		
					2-1/2" Concrete (64 mm)			None		55 F-IIC	30160 03 56381-4	N/A***
					1-1/2" (38 mm)			Tile		70 F-IIC	30160-05-72550-9	.,,
8"	No	No			2" Concrete (51 mm)	Acousti-Mat 3/4	None		61 F-IIC	30160 03 56381-5		
					NI /A	None	None None 62 A-STC		30160-06-77973-1			
					N/A	Notic	Notie		42 F-IIC	30160-06-77973-1		
							None		57 F-IIC	30160-06-77973-1		
			Yes	5/8" (16 mm)	1/2" (13 mm) 1" (25 mm) 1-1/2" (38 mm)	Acousti-Top	Hardwood		60 F-IIC	30160-06-77870		
							Tile		54 F-IIC	30160-06-77870		
						Acousti-Mat 1/4	Tile		60 F-IIC	30160-05-67282-2		
						Acousti-Mat 3/4	Tile		74 F-IIC	30160-05-67282-3		

<sup>\*</sup> Contact Maxxon for specific brand, thickness, and installation details. \*\* See UL for specific design detail difference between ratings.

\*\*\* Fire Ratings over 6"+ concrete do not require gypsum concrete. The sound tests above are examples of the many sound tests we have on file. Please refer to the disclaimer on the cover of this guide. For assistance determining the right system and UL Fire Rating for your project, contact your Maxxon Regional Representative at (800) 356-7887.

## 2 HOUR WOOD FRAME FIRE DESIGNS

#### PARALLEL CHORD TRUSS

Min Truss		Drywall Direct	Resilient		Min.				Sound R	ating	Maxxon UL
Depth per UL	Insulation	to Joist	Channel	Drywall	Topping Depth	Sound Mat	Floor Covering*	STC	IIC	Test Number	Fire Ratings
				2 Layers		Acousti-Mat 3/4	None	59 F-STC		121114-1STC	
12"	Yes	5/8" (16 mm)	Yes	5/8"	1-1/2" (38 mm)	Acousti-Mat 3/4	Tile		53 F-IIC	12214-4	L577
		(		(2x16 mm)	(55 11111)	Acousti-Mat 3/4	LVT		53 F-IIC	12214-5	

#### MISCELLANEOUS UL FIRE DESIGNS

#### PARALLEL CHORD TRUSS

UL#	Unique Assembly Details			
L529	Suspended Ceiling			
L542	Furring Channels/Drywall Screwed Direct			
L556	2HR/4 Layers of Drywall			
L577	2HR/3 Layers of Drywall			
L581	Kinetics ICW Clip, Batt Insulation, 2 Layers 5/8" Gypsum Board			
L583	Kinetics Isomax Clip, Batt Insulation, 2 Layers of 5/8" Gypsum Board			
M500	2HR/3+ Layers of Drywall			
M510	2HR/3 Layers of Drywall - 1 Layer Screwed Direct			

#### 2X10

UL#	Unique Assembly Details			
M504	0.75 HR/Drywall Screwed Direct			
M514	Sound Break Gypsum Board from National Gypsum			
L581	Kinetics ICW Clip, Batt Insulation, 2 Layers 5/8" Gypsum Board			
L583	Kinetics Isomax Clip, Batt Insulation, 2 Layers of 5/8" Gypsum Board			

#### **ULC DESIGN**

#	Hour Rating	Type of Construction
1530	1.5, 2	TotalJoist by iSPAN®
L003	1	2" x 10" Wood Joist
L201	1	2" x 10" Wood Joist
L511	2	2" x 10" Wood Joist
L512	1	2" x 10" Wood Joist (Commercial Construction Only)
M500	1	2" x 10" Wood Joist
M501	1	2" x 10" Wood Joist
M503	2	2" x 10" Wood Joist
M514	2	Parallel Chord Truss or Steel Frame
M520	1	TotalJoist by iSPAN®
M521	1	TotalJoist by iSPAN®

Canada also accepts all UL Fire Designs listed in this manual. For verification of a UL Fire Design for Canada, refer to the UL Environment document CCOX7.R8477 "Floor- and Roof-topping Mixtures Certified for Canada", which can be obtained by contacting your Maxxon Regional Representative or at www.ul.com.

#### I-JOIST

UL#	Unique Assembly Details
L518	TJL®/Resilient Channel
L530	TJI® /Simpson Strong Clips
L538	2HR/3 Layers of Drywall
L547	TJI®/Resilient Channel
L556	2HR/Wilamette I Beam Truss/4 Layers of Drywall
L581	Kinetics ICW Clip, Batt Insulation, 2 Layers 5/8" Gypsum Board
L583	Kinetics Isomax Clip, Batt Insulation, 2 Layers of 5/8" Gypsum Board

#### STEEL JOIST

UL#	Steel Joist Manufacturer			
G230	2HR/Midcon MetalEdge concrete T&G plank			
G516	2HR/Midcon MetalEdge concrete T&G plank			
G592	1, 2HR/Plycem Board			
H502	1, 1½, 2HR/Plycem Board			

For assistance determining the right systems and UL Fire Rating for your project, contact your Maxxon Regional Representative at (800) 356-7887.







For more info: 800-356-7887 • Email: info@maxxon.com www.MaxxonCorporation.com

