

CANAM DECK CERTIFICATION

FACTORY MUTUAL (FM)

Canam has Factory Mutual (FM) Research Corporation's approval of steel deck profiles P-3606 and P-3615 according to FM's standard 4451. This approval is based on a maximum deflection produced by a worker moving on the roof. This is to ensure that the roofing membranes will not be damaged and will remain waterproof. Thus, there will be a maximum span for each deck thickness and the deck will be used at least in double span.

P-3615 & P-3606 FM MAXIMUM SPANS

Type	NOMINAL THICKNESS		SPAN*	
	(mm)	(in.)	(mm)	(ft.-in.)
22	0.76	0.030	1 829	6'-0"
20	0.91	0.036	1 981	6'-6"
18	1.21	0.048	2 251	7'-5"
16	1.52	0.060	2 489	8'-2"

* At least double span condition.

UNDERWRITERS' LABORATORIES OF CANADA (ULC)

Canam's galvanized steel deck profiles P-3615, P-3606, P-2436, P-2404, P-3623 and P-2432 are generically approved by Underwriters' Laboratories of Canada (ULC). The following table is presented only as information to summarize Canam steel deck certification.

It shows the possible time ratings assigned to the specified design assemblies in hours. Refer to the most recent ULC "Fire Resistance Directory" for fire ratings with necessary construction assembly details.

ROOF AND FLOOR DECK FIRE RESISTANCE RATINGS

Deck Profile	U.L.C. Design No.	Spray-on Fire-proofing	Concrete Thickness Above Steel Deck*		Hourly Ratings for Restrained Assembly	
			(mm)	(in.)		
P-3615 & P-3606	F701	Yes	65	2 1/2	2	
	F808	Yes	65	2 1/2	3	
	F809	Yes	65	2 1/2	2	
	F811	Yes	65	2 1/2	2	
	F817	Yes	N/A	N/A	1 1/2, 2, 3	
	F818	Yes	N/A	N/A	1	
	F904**	No	89	3 1/2	3/4, 1	
			89	3 1/2	3/4, 1	
			102	4	1 1/2	
			114	4 1/2	2	
	F906	No	83	3 1/4	1	
			100	4	1 1/2	
			114	4 1/2	2	
			140	5 1/2	3	
	F910	No	83	3 1/4	1	
			100	4	1 1/2	
			114	4 1/2	2	
			140	5 1/2	3	
	Composite	F817	Yes	N/A	N/A	1 1/2, 2, 3
		F818	Yes	N/A	N/A	1
F906		No	83	3 1/4	1	
			100	4	1 1/2	
			114	4 1/2	2	
140	5 1/2	3				

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ROOF AND FLOOR DECK FIRE RESISTANCE RATINGS (CONTINUED)

Deck Profile		U.L.C. Design No.	Spray-on Fire-proofing	Concrete Thickness Above Steel Deck*		Hourly Ratings for Restrained Assembly
				(mm)	(in.)	
P-2436 & P-2404	Non Composite	F701	Yes	65	2 1/2	2
		F817	Yes	N/A	N/A	1 1/2, 2, 3
		F818	Yes	N/A	N/A	1
P-3623	Composite	F817	Yes	N/A	N/A	1 1/2, 2, 3
		F818	Yes	N/A	N/A	1
		F904**	No	89	3 1/2	3/4, 1
				89	3 1/2	3/4, 1
				102	4	1 1/2
				114	4 1/2	2
		F906	No	83	3 1/4	1
				100	4	1 1/2
				114	4 1/2	2
				140	5 1/2	3
P-2432	Non Composite	F817	Yes	N/A	N/A	1 1/2, 2, 3
		F818	Yes	N/A	N/A	1
		F906	No	83	3 1/4	1
				100	4	1 1/2
				114	4 1/2	2
				140	5 1/2	3
	F910	No	83	3 1/4	1	
			100	4	1 1/2	
			114	4 1/2	2	
	Composite	F701	Yes	65	2 1/2	2
		F817	Yes	N/A	N/A	1 1/2, 2, 3
		F818	Yes	N/A	N/A	1
		F904**	No	89	3 1/2	3/4, 1
89				3 1/2	3/4, 1	
102				4	1 1/2	
114				4 1/2	2	

* Normal weight concrete.

** Allowable loading is to be calculated on the basis of non-composite design.

N/A Not applicable