

# ComFlor 60 Design Information

## Quick Reference Table

Load Span Table – Normal Weight Concrete

Props	Span Type	Fire Rating (hour)	Slab Depth (mm)	Fire Reinforcement (25mm bott. Cover)	Mesh Type (mm <sup>2</sup> /m)	Maximum Span (m)																			
						Deck Thickness 0.75 (mm)				Deck Thickness 0.9 (mm)				Deck Thickness 1.0 (mm)				Deck Thickness 1.1 (mm)				Deck Thickness 1.2 (mm)			
						Superimposed Live Load (kPa)																			
						1.50	2.50	3.00	5.00	1.50	2.50	3.00	5.00	1.50	2.50	3.00	5.00	1.50	2.50	3.00	5.00	1.50	2.50	3.00	5.00
						Superimposed Dead Load (kPa)																			
0.8	0.1	0.8	0.5	0.8	0.1	0.8	0.5	0.8	0.1	0.8	0.5	0.8	0.1	0.8	0.5	0.8	0.1	0.8	0.5						
No Temporary Props	Single Span	0.5	125	None	A142	Design pending	3.55	3.55	3.55	3.55	3.65	3.65	3.65	3.65	3.80	3.80	3.80	3.80	3.95	3.95	3.95	3.95			
		0.5	130	None	A142		3.50	3.50	3.50	3.50	3.60	3.60	3.60	3.60	3.75	3.75	3.75	3.75	3.90	3.90	3.90	3.90			
		1.0	140	None	A193		3.40	3.40	3.40	3.40	3.55	3.55	3.55	3.55	3.65	3.65	3.65	3.65	3.80	3.80	3.80	3.80			
		1.5	160	None	A252		3.25	3.25	3.25	3.25	3.40	3.40	3.40	3.40	3.50	3.50	3.50	3.50	3.60	3.60	3.60	3.60			
		1.5	180	None	A252		3.10	3.10	3.10	3.10	3.25	3.25	3.25	3.25	3.35	3.35	3.35	3.35	3.50	3.50	3.50	3.50			
		2.0	200	None	2xA142		3.00	3.00	3.00	3.00	3.15	3.15	3.15	3.15	3.25	3.25	3.25	3.25	3.35	3.35	3.35	3.30			
	Double Span	0.5	125	None	A142		3.65	3.65	3.65	3.65	4.00	4.00	4.00	4.00	4.30	4.30	4.30	4.30	4.55	4.55	4.55	4.55			
		0.5	130	None	A142		3.65	3.65	3.65	3.65	3.95	3.95	3.95	3.95	4.25	4.25	4.25	4.25	4.50	4.50	4.50	4.50			
		1.0	140	None	A193		3.55	3.55	3.55	3.55	3.85	3.85	3.85	3.85	4.15	4.15	4.15	4.15	4.40	4.40	4.40	4.40			
		1.5	160	None	A252		3.35	3.35	3.35	3.35	3.70	3.70	3.70	3.70	4.00	4.00	4.00	4.00	4.25	4.25	4.25	4.25			
		2.0	180	None	A252		3.15	3.15	3.15	3.15	3.55	3.55	3.55	3.55	3.85	3.85	3.85	3.85	4.10	4.10	4.10	3.90			
		2.0	200	None	2xA142		2.95	2.95	2.95	2.95	3.40	3.40	3.40	3.40	3.70	3.70	3.70	3.70	3.95	3.95	3.95	3.95			
1 Row of Temporary Props	Single Span	0.5	125	None	2xA142	4.80	4.80	4.70	4.20	4.95	4.95	4.75	4.40	5.00	5.00	4.85	4.45	5.00	5.00	4.90	4.55				
		0.5	130	None	2xA142	4.90	4.90	4.80	4.30	5.00	5.00	4.90	4.45	5.10	5.10	4.95	4.60	5.20	5.20	5.00	4.65				
		0.5	140	None	A393	5.05	5.05	5.00	4.45	5.15	5.15	5.10	4.65	5.25	5.25	5.20	4.80	5.35	5.35	5.25	4.90				
		0.5	160	None	2xA252	5.30	5.30	5.25	4.75	5.40	5.40	5.35	4.95	5.50	5.50	5.45	5.15	5.60	5.60	5.55	5.35				
		0.5	180	None	2xA252	5.55	5.55	5.50	5.05	5.65	5.65	5.60	5.25	5.80	5.80	5.75	5.45	5.90	5.90	5.85	5.65				
		0.5	200	None	2xA393	5.75	5.75	5.75	5.30	5.90	5.90	5.85	5.50	6.00	6.00	5.95	5.70	6.10	6.10	6.10	5.90				
		0.5	230	None	2xA393	5.95	5.95	5.95	5.95	6.20	6.40	6.15	5.85	6.30	6.50	6.30	6.10	6.45	6.65	6.40	6.30				
		0.5	260	None	A800	*	*	5.65	5.65	*	*	6.20	6.15	*	*	6.60	6.40	*	*	6.70	6.60				
	Double Span	0.5	125	None	2xA142	4.80	4.80	4.75	4.20	4.95	4.95	4.85	4.40	5.00	5.00	4.90	4.55	5.00	5.00	4.95	4.60				
		0.5	130	None	2xA142	4.90	4.90	4.85	4.30	5.00	5.00	4.95	4.45	5.10	5.10	5.05	4.65	5.20	5.20	5.10	4.70				
		0.5	140	None	A393	5.00	5.00	5.00	4.45	5.15	5.15	5.10	4.65	5.25	5.25	5.20	4.80	5.35	5.35	5.25	5.00				
		0.5	160	None	2xA252	5.30	5.30	5.25	4.65	5.40	5.40	5.35	4.95	5.50	5.50	5.45	5.15	5.60	5.60	5.55	5.35				
		0.5	180	None	2xA252	5.30	5.30	5.30	4.95	5.65	5.65	5.55	5.05	5.80	5.80	5.65	5.45	5.90	5.90	5.85	5.65				
		0.5	200	None	2xA393	5.00	5.00	5.00	5.00	5.70	5.70	5.55	5.10	6.00	6.00	5.95	5.70	6.10	6.10	6.10	5.90				
		0.5	230	None	2xA393	*	*	*	*	*	*	*	5.30	*	*	*	5.90	6.40	6.40	6.40	6.30				
		0.5	260	None	A800	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				

### Notes

- 1.0mm and 1.1mm (shaded grey) is available by special request – a lead time of 8 weeks and minimum order applies.
  - 0.75mm material is currently under development – contact Corus New Zealand Ltd for updates.
  - The limits used on this table may not suit the specific use of your project – please contact Corus directly for advice relating to your project.
  - \*To achieve greater spans use two rows of temporary propping and/or wider beams.
  - The spans shown in the above table are indicative only. They are not intended for generic use. Specific design using the ComFlor design software and advice from the ComFlor Building Systems' support team is recommended.
- ComFlor design software is available free on CD from Corus New Zealand: 09 271 1780 or online at [www.comflor.co.nz](http://www.comflor.co.nz)