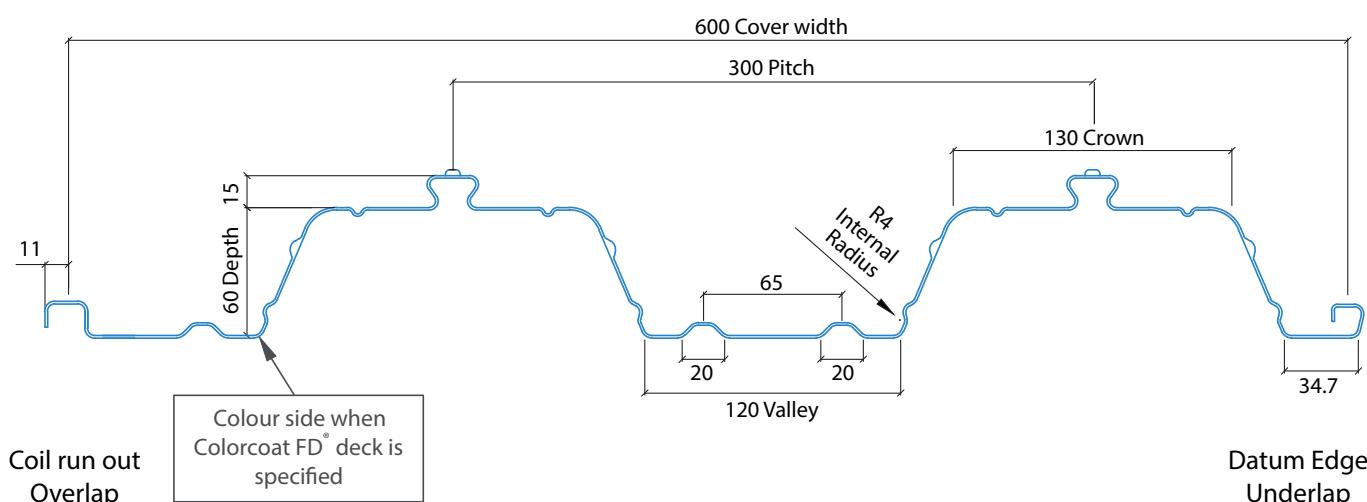


Load/span tables

ComFlor® 60 Profile - 0.90, 1.00 and 1.20mm steel 350N/mm²

ComFlor® 60 has been much copied but never bettered, as the original new generation round shouldered trapezoid combined 60 profile. This design is exceptionally resistant to compressive buckling resulting in superior span capability compared to traditional decks. The combined trapezoidal and re-entrant profile provides the benefits of easy service hanging, good shear interaction and long spans together with low concrete and steel usage. Shear studs are placed centrally in the troughs to ensure beneficial placement and the profile is 600mm cover as recommended by Health and Safety guidelines. ComFlor® 60 can be supplied with pre-closed ends.



Note: all dimensions in mm

The quick reference load/span tables for ComFlor® 60 are intended as a guide for initial design. Detailed design can be carried out using the new ComFlor® 9 design software, which allows Eurocode or British Standard design.

The tables are designed to optimise the span in the construction stage, with the minimum amount of reinforcement needed to achieve the relevant imposed loading and fire resistance. However, in certain conditions where slender slabs are subjected to the higher imposed loads (and depending on whether Mesh and Deck Fire Method or Bar Fire Method is selected for fire resistance),

then the limiting design mechanism becomes associated with the normal stage slab bending and/or vertical shear capacity, and not construction stage.

The total applied loads stated in the Eurocode tables covers an allowable unfactored total load of either 5.00, 7.50 or 10.00kN/m², which represents three typical cases, as specified in the following table. The total load combination is made up of an imposed live load, ceilings and services, finishes and partition loads. However the dead load of the slab itself has already been taken into account and need not be considered as part of the applied load. The three typical load cases of

5.00, 7.50 or 10.00kN/m² have been given the imposed load categories of C, C and E, with their corresponding psi factors given in Table A1.1 of BS EN 1990:2002+A1.

Loading Combination (kN/m²)

Category	C	C	E
Imposed	3.00	4.00	7.50
C & S	0.50	1.00	1.00
Finishes	0.50	1.50	1.50
Partitions	1.00	1.00	0.00
TOTAL	5.00	7.50	10.00

ComFlor® 60 normal weight concrete / using mesh / unpropped / Eurocode

Single span deck continuous slab (m) - Mesh and Deck Fire Method - Beam width 152mm

(Note: Single span deck single span slab is only permitted using Bar Fire Method.)

Props	Fire period	Slab depth (mm)	Mesh 0.2% min.reqd*	Total applied load (kN/m ²)								
				5.00	7.50	10.00	5.00	7.50	10.00	5.00	7.50	10.00
				0.90mm		1.00mm		1.20mm				
None	60 minutes	120***	A142	3.50 (A142)	3.09 (A193)	2.51 (A193)	3.68 (A193)	3.09 (A193)	2.55 (A193)	3.94 (A193)	3.18 (A193)	2.64 (A193)
		130	A142	3.41 (A142)	3.40 (A252)	3.39 (A393)	3.59 (A142)	3.58 (A252)	3.56 (A393)	3.84 (A142)	3.82 (A393)	3.81 (2xA252)
		140	A193	3.32 (A193)	3.32 (A193)	3.30 (A393)	3.50 (A193)	3.50 (A193)	3.48 (A393)	3.74 (A193)	3.74 (A252)	3.73 (A393)
		150	A193	3.24 (A193)	3.24 (A193)	3.23 (A252)	3.42 (A193)	3.42 (A193)	3.40 (A393)	3.66 (A193)	3.66 (A193)	3.65 (A393)
		160	A252	3.16 (A252)	3.16 (A252)	3.16 (A252)	3.34 (A252)	3.34 (A252)	3.34 (A252)	3.58 (A252)	3.58 (A252)	3.57 (A252)
		170	A252	3.09 (A252)	3.09 (A252)	3.09 (A252)	3.27 (A252)	3.27 (A252)	3.27 (A252)	3.51 (A252)	3.51 (A252)	3.51 (A252)
		180	A252	3.03 (A252)	3.03 (A252)	3.03 (A252)	3.21 (A252)	3.21 (A252)	3.21 (A252)	3.44 (A252)	3.44 (A252)	3.44 (A252)
		190	A393	2.96 (A393)	2.96 (A393)	2.96 (A393)	3.15 (A393)	3.15 (A393)	3.15 (A393)	3.37 (A393)	3.37 (A393)	3.37 (A393)
None	90 minutes	200	A393	2.90 (A393)	2.90 (A393)	2.90 (A393)	3.10 (A393)	3.10 (A393)	3.10 (A393)	3.32 (A393)	3.32 (A393)	3.32 (A393)
		130	A142	3.40 (A252)	3.39 (A393)	3.38 (2xA252)	3.58 (A252)	3.57 (A393)	3.32 (2xA252)	3.83 (A252)	3.82 (A393)	3.19 (2xA252)
		140	A193	3.32 (A193)	3.30 (A393)	3.30 (2xA252)	3.50 (A193)	3.48 (A393)	3.48 (2xA252)	3.74 (A252)	3.73 (A393)	3.72 (2xA252)
		150	A193	3.24 (A193)	3.23 (A252)	3.23 (A393)	3.42 (A193)	3.40 (A393)	3.40 (2xA252)	3.66 (A193)	3.65 (A393)	3.64 (2xA252)
		160	A252	3.16 (A252)	3.16 (A252)	3.15 (A393)	3.34 (A252)	3.34 (A252)	3.33 (A393)	3.58 (A252)	3.57 (A393)	3.56 (2xA252)
		170	A252	3.09 (A252)	3.09 (A252)	3.09 (A252)	3.27 (A252)	3.27 (A252)	3.27 (A252)	3.51 (A252)	3.51 (A252)	3.50 (A393)
		180	A252	3.03 (A252)	3.03 (A252)	3.03 (A252)	3.21 (A252)	3.21 (A252)	3.21 (A252)	3.44 (A252)	3.44 (A252)	3.44 (A252)
		190	A393	2.96 (A393)	2.96 (A393)	2.96 (A393)	3.15 (A393)	3.15 (A393)	3.15 (A393)	3.37 (A393)	3.37 (A393)	3.37 (A393)
None	120 minutes	200	A393	2.90 (A393)	2.90 (A393)	2.90 (A393)	3.10 (A393)	3.10 (A393)	3.10 (A393)	3.32 (A393)	3.32 (A393)	3.32 (A393)

Double span (m) - Mesh and Deck Fire Method - Beam width 152mm

Props	Fire period	Slab depth (mm)	Mesh 0.2% min.reqd*	Total applied load (kN/m ²)								
				5.00	7.50	10.00	5.00	7.50	10.00	5.00	7.50	10.00
				0.90mm		1.00mm		1.20mm				
None	60 minutes	120***	A142	3.47 (A193)	2.92 (A193)	2.46 (A193)	3.52 (A193)	2.96 (A193)	2.50 (A193)	3.62 (A193)	3.06 (A193)	2.59 (A193)
		130	A142	3.64 (A193)	3.62 (A393)	3.51 (2xA252)	3.93 (A252)	3.90 (A393)	3.51 (2xA252)	4.65 (A393)	4.38 (2xA252)	3.53 (2xA252)
		140	A193	3.50 (A193)	3.49 (A252)	3.47 (2xA252)	3.80 (A193)	3.78 (A393)	3.75 (2xA252)	4.50 (A393)	4.49 (2xA252)	4.24 (2xA393)
		150	A193	3.37 (A193)	3.37 (A193)	3.35 (A393)	3.75 (A193)	3.74 (A252)	3.73 (2xA252)	4.38 (A252)	4.37 (A393)	4.33 (2xA393)
		160	A252	3.24 (A252)	3.24 (A252)	3.24 (A252)	3.69 (A252)	3.69 (A252)	3.68 (A393)	4.26 (A252)	4.25 (A393)	4.21 (2xA393)
		170	A252	3.13 (A252)	3.13 (A252)	3.13 (A252)	3.57 (A252)	3.57 (A252)	3.56 (A393)	4.14 (A252)	4.12 (2xA252)	4.12 (2xA393)
		180	A252	3.03 (A252)	3.03 (A252)	3.03 (A252)	3.45 (A252)	3.45 (A252)	3.45 (A252)	4.03 (A252)	4.03 (A252)	4.02 (A393)
		190	A393	2.93 (A393)	2.93 (A393)	2.93 (A393)	3.34 (A393)	3.34 (A393)	3.34 (A393)	3.92 (A393)	3.92 (A393)	3.92 (A393)
None	90 minutes	200	A393	2.85 (A393)	2.85 (A393)	2.85 (A393)	3.25 (A393)	3.25 (A393)	3.25 (A393)	3.89 (A393)	3.89 (A393)	3.89 (A393)
		130	A142	3.62 (A393)	3.61 (2xA252)	2.97 (2xA252)	3.92 (A393)	3.65 (2xA252)	2.99 (2xA252)	4.64 (2xA252)	3.64 (2xA252)	3.01 (2xA252)
		140	A193	3.49 (A252)	3.37 (A393)	3.44 (2xA393)	3.78 (A393)	3.77 (2xA252)	3.75 (2xA393)	4.49 (2xA252)	4.47 (2xA393)	4.16 (2xA393)
		150	A193	3.37 (A193)	3.36 (A252)	3.33 (2xA252)	3.74 (A252)	3.73 (2xA252)	3.71 (2xA393)	4.37 (A393)	4.33 (2xA393)	4.33 (2xA393)
		160	A252	3.24 (A252)	3.24 (A252)	3.23 (A393)	3.69 (A252)	3.68 (A393)	3.64 (2xA393)	4.25 (A393)	4.24 (2xA252)	4.21 (2xA393)
		170	A252	3.13 (A252)	3.13 (A252)	3.12 (A393)	3.57 (A252)	3.57 (A252)	3.56 (A393)	4.14 (A252)	4.13 (A393)	4.10 (2xA393)
		180	A252	3.03 (A252)	3.03 (A252)	3.03 (A252)	3.45 (A252)	3.45 (A252)	3.44 (A393)	4.03 (A252)	4.02 (A393)	4.01 (2xA252)
		190	A393	2.93 (A393)	2.93 (A393)	2.93 (A393)	3.34 (A393)	3.34 (A393)	3.34 (A393)	3.92 (A393)	3.92 (A393)	3.92 (A393)
None	120 minutes	200	A393	2.85 (A393)	2.85 (A393)	2.85 (A393)	3.25 (A393)	3.25 (A393)	3.25 (A393)	3.89 (A393)	3.89 (A393)	3.85 (A393)

Multi span (m) - Mesh and Deck Fire Method - Beam width 152mm

Props	Fire period	Slab depth (mm)	Mesh 0.2% min.reqd*	Total applied load (kN/m ²)								
				5.00	7.50	10.00	5.00	7.50	10.00	5.00	7.50	10.00
				0.90mm		1.00mm		1.20mm				
None	60 minutes	120***	A142	3.57 (A193)	2.94 (A193)	2.47 (A193)	3.57 (A193)	2.99 (A193)	2.51 (A193)	3.67 (A193)	3.08 (A193)	2.60 (A193)
		130	A142	3.60 (A193)	3.58 (A393)	3.57 (2xA252)	4.02 (A252)	4.00 (A393)	3.66 (2xA252)	4.46 (A393)	4.37 (2xA252)	3.59 (2xA252)
		140	A193	3.48 (A193)	3.48 (A252)	3.46 (2xA252)	3.89 (A193)	3.87 (A393)	3.86 (2xA252)	4.38 (A252)	4.37 (A393)	4.21 (2xA393)
		150	A193	3.46 (A193)	3.46 (A193)	3.45 (A393)	3.76 (A193)	3.76 (A252)	3.74 (2xA252)	4.30 (A193)	4.29 (A393)	4.27 (2xA393)
		160	A252	3.36 (A252)	3.36 (A252)	3.36 (A393)	3.65 (A252)	3.65 (A252)	3.64 (A393)	4.23 (A252)	4.22 (A393)	4.22 (2xA252)
		170	A252	3.25 (A252)	3.25 (A252)	3.25 (A393)	3.55 (A252)	3.55 (A252)	3.55 (A393)	4.16 (A252)	4.16 (A393)	4.15 (2xA252)
		180	A252	3.15 (A252)	3.15 (A252)	3.15 (A393)	3.54 (A252)	3.54 (A252)	3.54 (A393)	4.10 (A252)	4.10 (A393)	4.09 (2xA393)
		190	A393	3.05 (A393)	3.05 (A393)	3.05 (A393)	3.47 (A393)	3.47 (A393)	3.47 (A393)	4.01 (A393)	4.01 (A393)	4.01 (A393)
None	90 minutes	200	A393	2.96 (A393)	2.96 (A393)	2.96 (A393)	3.37 (A393)	3.37 (A393)	3.37 (A393)	3.91 (A393)	3.91 (A393)	3.91 (A393)
		130	A142	3.58 (A393)	3.57 (2xA252)	3.01 (2xA252)	4.00 (A393)	3.88 (A252)	3.01 (2xA252)	4.45 (2xA252)	3.72 (2xA252)	3.04 (2xA252)
		140	A193	3.48 (A252)	3.46 (A393)	3.45 (2xA393)	3.87 (A393)	3.86 (2xA252)	3.84 (A393)	4.37 (A393)	4.36 (2xA252)	4.21 (2xA393)
		150	A193	3.46 (A193)	3.45 (A393)	3.43 (2xA393)	3.76 (A252)	3.72 (A393)	3.72 (2xA393)	4.29 (A393)	4.29 (2xA252)	4.27 (2xA393)

ComFlor® 60 normal weight concrete / using mesh / unpropped / Eurocode

Single span deck continuous slab (m) - Bar Fire Method - Beam width 152mm

Props	Fire period	Slab depth (mm)	Mesh 0.2% min. reqd.*	Total applied load (kN/m ²)															
				5.00			7.50			10.00		5.00			7.50			10.00	
				0.90mm			1.00mm				0.90mm			1.00mm			1.20mm		
None	60 minutes	120***	A142	3.49 (10)	3.49 (10)	3.49 (12)	3.68 (10)	3.67 (12)	3.60 (16)	3.93 (10)	3.93 (12)	3.61 (16)	3.49 (10)	3.49 (12)	3.82 (12)	3.82 (16)	3.81 (16)		
		130	A142	3.40 (8)	3.40 (10)	3.39 (12)	3.58 (8)	3.58 (10)	3.57 (12)	3.83 (10)	3.82 (12)	3.81 (16)	3.49 (8)	3.49 (10)	3.73 (10)	3.73 (12)	3.73 (12)		
		140	A193	3.31 (8)	3.31 (8)	3.31 (10)	3.49 (8)	3.49 (10)	3.48 (12)	3.74 (8)	3.74 (10)	3.73 (12)	3.41 (8)	3.41 (10)	3.65 (8)	3.65 (10)	3.65 (12)		
		150	A193	3.23 (8)	3.23 (8)	3.23 (10)	3.41 (8)	3.41 (8)	3.41 (10)	3.65 (8)	3.65 (8)	3.65 (10)	3.27 (8)	3.27 (8)	3.57 (8)	3.57 (10)	3.57 (10)		
		160	A252	3.15 (8)	3.15 (8)	3.15 (8)	3.34 (8)	3.34 (8)	3.33 (10)	3.57 (8)	3.57 (8)	3.57 (10)	3.09 (8)	3.09 (8)	3.50 (8)	3.50 (10)	3.50 (10)		
		170	A252	3.09 (8)	3.09 (8)	3.09 (8)	3.27 (8)	3.27 (8)	3.27 (8)	3.50 (8)	3.50 (8)	3.50 (10)	3.21 (8)	3.21 (8)	3.44 (8)	3.44 (10)	3.44 (10)		
		180	A252	3.02 (8)	3.02 (8)	3.02 (8)	3.21 (8)	3.21 (8)	3.21 (8)	3.37 (8)	3.37 (8)	3.37 (8)	2.90 (8)	2.90 (8)	3.32 (8)	3.32 (8)	3.32 (8)		
		190	A393	2.96 (8)	2.96 (8)	2.96 (8)	3.15 (8)	3.15 (8)	3.15 (8)	3.37 (8)	3.37 (8)	3.37 (8)	2.90 (8)	2.90 (8)	3.32 (8)	3.32 (8)	3.32 (8)		
		200	A393	2.90 (8)	2.90 (8)	2.90 (8)	3.09 (8)	3.09 (8)	3.09 (8)	3.32 (8)	3.32 (8)	3.32 (8)	2.90 (8)	2.90 (8)	3.32 (8)	3.32 (8)	3.32 (8)		
None	90 minutes	130	A142	3.39 (12)	3.39 (16)	3.39 (16)	3.57 (12)	3.56 (16)	3.55 (20)	3.81 (16)	3.81 (16)	3.80 (20)	3.30 (12)	3.30 (16)	3.72 (16)	3.72 (20)	3.71 (20)		
		140	A193	3.31 (12)	3.30 (16)	3.30 (16)	3.48 (12)	3.48 (16)	3.48 (16)	3.73 (12)	3.73 (16)	3.72 (20)	3.23 (12)	3.23 (16)	3.64 (16)	3.64 (20)	3.64 (20)		
		150	A193	3.23 (10)	3.23 (12)	3.22 (16)	3.41 (10)	3.40 (12)	3.40 (16)	3.65 (12)	3.65 (16)	3.65 (20)	3.14 (10)	3.14 (12)	3.56 (16)	3.56 (20)	3.56 (20)		
		160	A252	3.15 (8)	3.15 (10)	3.14 (16)	3.34 (8)	3.33 (10)	3.32 (16)	3.57 (10)	3.57 (16)	3.57 (20)	3.09 (8)	3.09 (10)	3.50 (16)	3.50 (20)	3.50 (20)		
		170	A252	3.09 (8)	3.08 (8)	3.08 (12)	3.27 (8)	3.27 (10)	3.26 (12)	3.50 (10)	3.50 (16)	3.50 (20)	3.02 (8)	3.02 (10)	3.44 (8)	3.44 (10)	3.44 (12)		
		180	A252	3.02 (8)	3.02 (8)	3.02 (10)	3.21 (8)	3.21 (10)	3.20 (12)	3.37 (8)	3.37 (10)	3.37 (12)	2.90 (8)	2.90 (8)	3.32 (8)	3.32 (8)	3.32 (10)		
		190	A393	2.96 (8)	2.96 (8)	2.96 (8)	3.15 (8)	3.15 (8)	3.14 (10)	3.37 (8)	3.37 (10)	3.37 (12)	2.90 (8)	2.90 (8)	3.32 (8)	3.32 (8)	3.32 (10)		
		200	A393	2.90 (8)	2.90 (8)	2.90 (12)	3.09 (8)	3.09 (10)	3.09 (16)	3.31 (10)	3.31 (12)	3.31 (16)	2.90 (8)	2.90 (8)	3.31 (12)	3.31 (16)	3.31 (16)		
None	120 minutes	140	A193	3.29 (20)	3.27 (25)	3.25 (32)	3.45 (25)	3.44 (25)	3.42 (32)	3.69 (25)	3.66 (32)	3.66 (32)	3.20 (20)	3.20 (25)	3.61 (25)	3.61 (32)	3.58 (32)		
		150	A193	3.22 (16)	3.20 (25)	3.20 (25)	3.39 (20)	3.37 (25)	3.35 (32)	3.61 (25)	3.61 (25)	3.61 (32)	3.14 (16)	3.14 (20)	3.54 (25)	3.54 (32)	3.54 (32)		
		160	A252	3.14 (16)	3.14 (16)	3.12 (25)	3.32 (16)	3.31 (20)	3.30 (25)	3.56 (16)	3.56 (20)	3.54 (25)	3.02 (16)	3.02 (20)	3.42 (16)	3.42 (20)	3.41 (25)		
		170	A252	3.08 (12)	3.08 (16)	3.07 (20)	3.26 (16)	3.25 (20)	3.24 (25)	3.49 (16)	3.49 (20)	3.48 (25)	3.02 (12)	3.02 (16)	3.42 (16)	3.42 (20)	3.41 (25)		
		180	A252	3.02 (12)	3.01 (16)	3.00 (20)	3.20 (12)	3.20 (16)	3.19 (20)	3.43 (16)	3.43 (20)	3.42 (25)	2.93 (12)	2.93 (16)	3.36 (16)	3.36 (20)	3.35 (20)		
		190	A393	2.96 (8)	2.96 (10)	2.95 (16)	3.15 (8)	3.14 (12)	3.14 (16)	3.37 (8)	3.37 (10)	3.37 (12)	2.90 (8)	2.90 (12)	3.31 (10)	3.31 (12)	3.31 (16)		
		200	A393	2.90 (8)	2.90 (8)	2.90 (12)	3.09 (8)	3.09 (10)	3.08 (16)	3.31 (10)	3.31 (12)	3.31 (16)	2.90 (8)	2.90 (8)	3.31 (12)	3.31 (16)	3.31 (16)		

Double span (m) - Bar Fire Method - Beam width 152mm

Props	Fire period	Slab depth (mm)	Mesh 0.2% min. reqd.*	Total applied load (kN/m ²)															
				5.00			7.50			10.00		5.00			7.50			10.00	
				0.90mm			1.00mm				0.90mm			1.00mm			1.20mm		
None	60 minutes	120***	A142	3.68 (10)	3.67 (12)	3.64 (16)	4.07 (12)	4.07 (16)	3.70 (16)	4.70 (12)	4.62 (25)	3.70 (16)	3.63 (10)	3.63 (12)	4.62 (16)	4.62 (20)	3.99 (16)		
		130	A142	3.63 (10)	3.63 (10)	3.62 (12)	3.93 (10)	3.92 (12)	3.91 (16)	4.65 (12)	4.62 (16)	4.62 (20)	3.70 (10)	3.70 (12)	4.50 (12)	4.50 (16)	4.25 (16)		
		140	A193	3.49 (8)	3.48 (10)	3.48 (12)	3.79 (10)	3.79 (12)	3.78 (12)	4.50 (12)	4.50 (12)	4.50 (16)	3.23 (8)	3.23 (10)	4.37 (12)	4.37 (16)	4.36 (16)		
		150	A193	3.36 (8)	3.36 (8)	3.35 (10)	3.74 (8)	3.74 (10)	3.74 (12)	4.38 (10)	4.38 (10)	4.38 (16)	3.14 (8)	3.14 (10)	4.25 (10)	4.25 (16)	4.23 (16)		
		160	A252	3.24 (8)	3.24 (8)	3.23 (10)	3.68 (8)	3.68 (10)	3.67 (12)	4.25 (10)	4.25 (16)	4.24 (16)	3.02 (8)	3.02 (10)	4.23 (10)	4.23 (16)	4.23 (20)		
		170	A252	3.13 (8)	3.13 (8)	3.13 (8)	3.56 (8)	3.56 (8)	3.56 (10)	4.13 (8)	4.13 (8)	4.13 (10)	2.93 (8)	2.93 (10)	4.12 (12)	4.12 (16)	4.12 (20)		
		180	A252	3.03 (8)	3.03 (8)	3.03 (8)	3.45 (8)	3.45 (8)	3.45 (10)	4.02 (8)	4.02 (8)	4.02 (10)	2.93 (8)	2.93 (10)	4.01 (12)	4.01 (16)	4.01 (20)		
		190	A393	2.93 (8)	2.93 (8)	2.93 (8)	3.34 (8)	3.34 (8)	3.34 (10)	3.91 (8)	3.91 (8)	3.91 (10)	2.85 (8)	2.85 (8)	3.88 (8)	3.88 (10)	3.88 (12)		
		200	A393	2.85 (8)	2.85 (8)	2.84 (12)	3.24 (8)	3.24 (8)	3.24 (12)	3.88 (8)	3.88 (10)	3.88 (12)	2.85 (8)	2.85 (8)	3.87 (10)	3.87 (20)	3.85 (25)		
None	90 minutes	130	A142	3.61 (16)	3.61 (16)	3.59 (20)	3.91 (16)	3.91 (16)	3.89 (20)	4.64 (16)	4.62 (20)	4.62 (20)	3.46 (16)	3.46 (20)	4.49 (16)	4.49 (20)	4.47 (20)		
		140	A193	3.48 (12)	3.46 (16)	3.46 (16)	3.77 (16)	3.77 (20)	3.77 (20)	4.49 (16)	4.47 (20)	4.47 (20)	3.35 (12)	3.35 (16)	4.34 (20)	4.34 (24)	4.34 (20)		
		150	A193	3.35 (10)	3.34 (16)	3.34 (16)	3.74 (12)	3.73 (16)	3.72 (20)	4.36 (16)	4.36 (20)	4.36 (24)	3.21 (10)	3.21 (16)	4.23 (16)	4.23 (20)	4.21 (20)		
		160	A252	3.24 (8)	3.23 (10)	3.21 (16)	3.68 (10)	3.66 (16)	3.66 (16)	4.23 (16)	4.23 (16)	4.23 (20)	3.12 (8)	3.12 (12)	4.11 (16)	4.11 (20)	4.10 (20)		
		170	A252	3.13 (8)	3.12 (10)	3.12 (12)	3.56 (10)	3.55 (12)	3.54 (16)	4.12 (12)	4.12 (16)	4.12 (20)	2.93 (8)	2.93 (10)	4.01 (12)	4.01 (16)	4.01 (20)		
		180	A252	3.03 (8)	3.03 (8)	3.03 (10)	3.45 (8)	3.45 (10)	3.45 (20)	4.08 (20)	4.08 (20)	4.08 (32)	2.93 (8)	2.93 (10)	3.97 (25)	3.97 (32)	3.93 (25)		
		190	A393	2.93 (8)	2.93 (1														

ComFlor® 60 normal weight concrete / using mesh / propped / Eurocode

Single Span propped deck, continuous slab (m) - Mesh and Deck Fire Method - Beam width 152mm (Refer to Technical Department for Double Span propped deck tables.) (Note: Single span deck single span slab is only permitted using Bar Fire Method.)

Props	Fire period	Slab depth (mm)	Mesh 0.4% min. reqd**	Total applied load (kN/m ²)								
				5.00 7.50 10.00			5.00 7.50 10.00			5.00 7.50 10.00		
				0.90mm			1.00mm			1.20mm		
1 line	60 minutes	120***	A252	3.93 (A393)	3.39 (A393)	3.09 (A393)	3.93 (A393)	3.39 (A393)	3.10 (A393)	3.95 (A393)	3.41 (A393)	3.12 (A393)
		130	A393	4.27 (2xA252)	3.75 (2xA252)	3.21 (2xA252)	4.33 (2xA252)	3.79 (2xA252)	3.25 (2xA252)	4.45 (2xA252)	3.87 (2xA252)	3.32 (2xA252)
		140	A393	4.48 (2xA393)	4.17 (2xA393)	3.78 (2xA393)	4.55 (2xA393)	4.23 (2xA393)	3.81 (2xA393)	4.67 (2xA393)	4.34 (2xA393)	3.87 (2xA393)
		150	A393	4.72 (2xA252)	4.39 (2xA393)	3.84 (2xA393)	4.79 (2xA252)	4.45 (2xA393)	3.87 (2xA393)	4.89 (2xA393)	4.55 (2xA393)	3.93 (2xA393)
		160	2xA252	4.94 (2xA252)	4.61 (2xA393)	4.00 (2xA393)	5.01 (2xA252)	4.63 (2xA393)	4.01 (2xA393)	5.13 (2xA252)	4.65 (2xA393)	4.03 (2xA393)
		170	2xA252	4.83 (2xA252)	4.78 (2xA393)	4.42 (2xA393)	5.22 (2xA252)	4.88 (2xA393)	4.42 (2xA393)	5.35 (2xA252)	5.00 (2xA393)	4.42 (2xA393)
		180	2xA252	4.67 (2xA252)	4.67 (2xA393)	4.64 (2xA393)	5.33 (2xA393)	5.01 (2xA393)	4.77 (2xA393)	5.56 (2xA393)	5.20 (2xA393)	4.84 (2xA393)
		190	2xA393	4.50 (2xA393)	4.50 (2xA393)	4.50 (2xA393)	5.16 (2xA393)	5.14 (2xA393)	4.85 (2xA393)	5.68 (2xA393)	5.33 (2xA393)	4.92 (2xA393)
		200	2xA393	4.36 (2xA393)	4.36 (2xA393)	4.36 (2xA393)	5.01 (2xA393)	5.01 (2xA393)	4.93 (2xA393)	5.81 (2xA393)	5.46 (2xA393)	5.00 (2xA393)
		130	A393	3.80 (2xA252)	3.29 (2xA252)	2.83 (2xA393)	3.83 (2xA252)	3.32 (2xA252)	2.85 (2xA252)	3.90 (2xA252)	3.38 (2xA252)	2.90 (2xA252)
1 line	90 minutes	140	A393	4.48 (2xA393)	4.03 (2xA393)	3.47 (2xA393)	4.55 (2xA393)	4.06 (2xA393)	3.49 (2xA393)	4.67 (2xA393)	4.10 (2xA393)	3.53 (2xA393)
		150	A393	4.68 (2xA393)	4.10 (2xA393)	3.55 (2xA393)	4.71 (2xA393)	4.14 (2xA393)	3.57 (2xA393)	4.77 (2xA393)	4.19 (2xA393)	3.61 (2xA393)
		160	2xA252	4.73 (2xA393)	4.16 (2xA393)	3.61 (2xA393)	4.76 (2xA393)	4.19 (2xA393)	3.63 (2xA393)	4.82 (2xA393)	4.24 (2xA393)	3.68 (2xA393)
		170	2xA252	4.81 (2xA252)	4.21 (2xA393)	3.66 (2xA393)	4.80 (2xA393)	4.24 (2xA393)	3.69 (2xA393)	4.86 (2xA393)	4.29 (2xA393)	3.73 (2xA393)
		180	2xA252	4.67 (2xA252)	4.51 (2xA393)	3.94 (2xA393)	5.09 (2xA393)	4.51 (2xA393)	3.94 (2xA393)	5.10 (2xA393)	4.52 (2xA393)	3.94 (2xA393)
		190	2xA393	4.50 (2xA393)	4.50 (2xA393)	4.31 (2xA393)	5.16 (2xA393)	4.93 (2xA393)	4.31 (2xA393)	5.55 (2xA393)	4.94 (2xA393)	4.32 (2xA393)
		200	2xA393	4.36 (2xA393)	4.36 (2xA393)	4.36 (2xA393)	5.01 (2xA393)	5.01 (2xA393)	4.68 (2xA393)	5.81 (2xA393)	5.33 (2xA393)	4.68 (2xA393)
		140	A393	4.23 (2xA393)	3.69 (2xA393)	3.18 (2xA393)	4.25 (2xA393)	3.71 (2xA393)	3.20 (2xA393)	4.29 (2xA393)	3.75 (2xA393)	3.23 (2xA393)
		150	A393	4.46 (2xA393)	3.90 (2xA393)	3.37 (2xA393)	4.48 (2xA393)	3.92 (2xA393)	3.39 (2xA393)	4.52 (2xA393)	3.96 (2xA393)	3.42 (2xA393)
		160	2xA252	4.54 (2xA393)	4.00 (2xA393)	3.47 (2xA393)	4.57 (2xA393)	4.02 (2xA393)	3.48 (2xA393)	4.61 (2xA393)	4.05 (2xA393)	3.52 (2xA393)
1 line	120 minutes	170	2xA252	4.59 (2xA393)	4.05 (2xA393)	3.52 (2xA393)	4.61 (2xA393)	4.07 (2xA393)	3.54 (2xA393)	4.65 (2xA393)	4.11 (2xA393)	3.58 (2xA393)
		180	2xA252	4.67 (2xA252)	4.14 (2xA393)	3.62 (2xA393)	4.68 (2xA393)	4.15 (2xA393)	3.62 (2xA393)	4.70 (2xA393)	4.17 (2xA393)	3.63 (2xA393)
		190	2xA393	4.50 (2xA393)	4.48 (2xA393)	3.92 (2xA393)	5.03 (2xA393)	4.47 (2xA393)	3.91 (2xA393)	5.03 (2xA393)	4.47 (2xA393)	3.91 (2xA393)
		200	2xA393	4.36 (2xA393)	4.36 (2xA393)	4.24 (2xA393)	5.01 (2xA393)	4.83 (2xA393)	4.24 (2xA393)	5.42 (2xA393)	4.84 (2xA393)	4.24 (2xA393)
		140	A393	4.23 (2xA393)	3.69 (2xA393)	3.18 (2xA393)	4.25 (2xA393)	3.71 (2xA393)	3.20 (2xA393)	4.29 (2xA393)	3.75 (2xA393)	3.23 (2xA393)
		150	A393	4.46 (2xA393)	3.90 (2xA393)	3.37 (2xA393)	4.48 (2xA393)	3.92 (2xA393)	3.39 (2xA393)	4.52 (2xA393)	3.96 (2xA393)	3.42 (2xA393)
		160	2xA252	4.54 (2xA393)	4.00 (2xA393)	3.47 (2xA393)	4.57 (2xA393)	4.02 (2xA393)	3.48 (2xA393)	4.61 (2xA393)	4.05 (2xA393)	3.52 (2xA393)
		170	2xA252	4.59 (2xA393)	4.05 (2xA393)	3.52 (2xA393)	4.61 (2xA393)	4.07 (2xA393)	3.54 (2xA393)	4.65 (2xA393)	4.11 (2xA393)	3.58 (2xA393)
		180	2xA252	4.67 (2xA252)	4.14 (2xA393)	3.62 (2xA393)	4.68 (2xA393)	4.15 (2xA393)	3.62 (2xA393)	4.70 (2xA393)	4.17 (2xA393)	3.63 (2xA393)
		190	2xA393	4.50 (2xA393)	4.48 (2xA393)	3.92 (2xA393)	5.03 (2xA393)	4.47 (2xA393)	3.91 (2xA393)	5.03 (2xA393)	4.47 (2xA393)	3.91 (2xA393)
		200	2xA393	4.36 (2xA393)	4.36 (2xA393)	4.24 (2xA393)	5.01 (2xA393)	4.83 (2xA393)	4.24 (2xA393)	5.42 (2xA393)	4.84 (2xA393)	4.24 (2xA393)

ComFlor® 60 normal weight concrete / using mesh / propped / Eurocode

Single Span propped deck, continuous slab (m) - Bar Fire Method - Beam width 152mm (Refer to Technical Department for Double Span propped deck tables.) (Note: Single span deck single span slab is only permitted using Bar Fire Method.)

Props	Fire period	Slab depth (mm)	Mesh 0.4% min. reqd**	Total applied load (kN/m ²)								
				5.00 7.50 10.00			5.00 7.50 10.00			5.00 7.50 10.00		
				0.90mm			1.00mm			1.20mm		
1 line	60 minutes	120***	A252	4.48 (32)	4.16 (32)	3.69 (20)	4.51 (32)	4.19 (32)	3.69 (16)	4.57 (32)	4.24 (32)	3.69 (16)
		130	A393	4.77 (32)	4.44 (32)	4.02 (25)	4.80 (32)	4.47 (32)	4.01 (25)	4.86 (32)	4.52 (32)	4.02 (25)
		140	A393	5.06 (32)	4.72 (32)	4.32 (25)	5.09 (32)	4.75 (32)	4.34 (25)	5.14 (32)	4.80 (32)	4.33 (25)
		150	A393	5.10 (25)	4.99 (32)	4.63 (32)	5.36 (32)	5.02 (32)	4.62 (32)	5.42 (32)	5.07 (32)	4.64 (25)
		160	2xA252	4.98 (10)	4.94 (20)	4.85 (32)	5.57 (32)	5.27 (32)	4.92 (32)	5.68 (32)	5.33 (32)	4.90 (25)
		170	2xA252	4.81 (10)	4.81 (12)	4.79 (16)	5.48 (20)	5.38 (32)	5.21 (32)	5.95 (32)	5.58 (32)	5.20 (32)
		180	2xA252	4.66 (8)	4.65 (10)	4.63 (16)	5.34 (10)	5.32 (16)	5.27 (25)	6.20 (32)	5.84 (32)	5.48 (32)
		190	2xA393	4.49 (8)	4.49 (8)	4.48 (10)	5.15 (8)	5.15 (10)	5.13 (16)	6.28 (32)	6.08 (32)	5.73 (32)
		200	2xA393	4.35 (8)	4.35 (10)	4.33 (16)	4.99 (12)	4.98 (16)	4.96 (20)	6.19 (20)	6.14 (25)	6.01 (32)
		130	A393	4.77 (32)	4.44 (32)	4.02 (25)	4.80 (32)	4.47 (32)	4.01 (25)	4.86 (32)	4.52 (32)	4.00 (25)
1 line	90 minutes	140	A393	5.06 (32)	4.72 (32)	4.32 (25)	5.09 (32)	4.75 (32)	4.34 (25)	5.14 (32)	4.80 (32)	4.33 (25)
		150	A393	5.10 (25)	4.99 (32)	4.63 (32)	5.36 (32)	5.02 (32)	4.62 (32)	5.42 (32)	5.07 (32)	4.64 (25)
		160	2xA252	4.94 (20)	4.94 (20)	4.85 (32)	5.57 (32)	5.27 (32)	4.92 (32)	5.68 (32)	5.33 (32)	4.90 (25)
		170	2xA252	4.79 (16)	4.77 (20)	4.74 (25)	5.48 (20)	5.38 (32)	5.21 (32)	5.95 (32)	5.58 (32)	5.20 (32)
		180	2xA252	4.65 (12)	4.63 (16)	4.62 (20)	5.30 (20)	5.30 (20)	5.27 (25)	6.20 (32)	5.84 (32)	5.48 (32)
		190	2xA393	4.48 (10)	4.47 (16)	4.45 (20)	5.13 (16)	5.11 (20)	5.08 (25)	6.28 (32)	6.08 (32)	5.73 (32)
		200	2xA393	4.35 (10)	4.35 (12)	4.33 (16)	4.99 (12)	4.98 (16)	4.96 (20)	6.19 (20)	6.14 (25)	6.01 (32)
		140	A393	4.78 (32)	4.18 (32)	3.61 (32)	4.78 (32)	4.18 (32)	3.61 (32)	4.77 (32)	4.18 (32)	3.61 (32)
		150	A393	4.94 (32)	4.34 (32)	3.76 (32)	4.94 (32)	4.34 (32)	3.76 (32)	4.94 (32)	4.34 (32)	3.76 (32)
		160	2xA252	4.85 (32)	4.46 (32)	3.87 (32)	5.05 (32)	4.46 (32)	3.87 (32)	5.05 (32)	4.45 (32)	3.87 (32)
		170	2xA252	4.69 (32)	4.61 (32)	4.01 (32)	5.20 (32)	4.60 (32)	4.01 (32)	5.19 (32)	4.60 (32)	4.01 (32)
		1										