4.7 KF40® Composite Slab Properties Tables

Index of KF40® Composite Slab Properties Tables

KF40® Composite Slab Properties

KF40® **0.60**

Dcs (mm)	Slab Weight (kPa)	Equivalent Concrete Quantity (mm^3/mm^2)	Design Strength in Positive Bending $\phi M_{uo}+$ (kNm/m)	Gross Second Moment of Area - I ($x10^6$ mm^4/m)★	Cracked Section Second Moment of Area - I_{cr} ($x10^6$ mm^4/m)★
90	1.79	74	22.4	53.48	21.25
95	1.91	79	24.2	62.88	24.49
100	2.04	84	25.9	73.47	27.97
105	2.16	89	27.7	85.08	31.76
110	2.28	94	29.4	97.96	35.71
115	2.40	99	31.2	112.18	39.97
120	2.52	104	33.0	127.59	44.48
125	2.64	109	34.7	144.49	49.30
130	2.76	114	36.5	162.82	54.35
135	2.88	119	38.3	182.65	59.65
140	3.00	124	40.1	204.06	65.18
145	3.13	129	41.8	227.13	71.02
150	3.25	134	43.5	251.93	77.10
155	3.37	139	45.3	278.48	83.50
160	3.49	144	47.0	306.84	90.14
165	3.61	149	48.8	337.09	97.09
170	3.73	154	50.6	369.33	104.20
175	3.85	159	52.3	403.53	111.71
180	3.97	164	54.1	439.87	119.45
185	4.09	169	55.8	478.27	127.43
190	4.22	174	57.6	518.95	135.64
195	4.34	179	59.4	651.85	144.25
200	4.46	184	61.1	607.12	153.02
205	4.58	189	62.9	654.75	162.11
210	4.70	194	64.6	704.92	171.51
215	4.82	199	66.4	757.53	181.15
220	4.94	204	68.2	812.75	191.02
225	5.06	209	69.9	870.58	201.21
230	5.18	214	71.7	931.09	211.72
235	5.31	219	73.4	994.45	222.46
240	5.43	224	75.2	1060.58	233.82
245	5.55	229	77.0	1129.62	244.82
250	5.67	234	78.7	1201.59	256.43

Table 4.7.A KF40® Composite Slab Properties - 0.60 BMT

Parameters

★ Values are given in transformed concrete sections, 25MPa.

Modular ratio 7.9.

KF40® Composite Slab Properties

KF40® **0.75**

Dcs (mm)	Slab Weight (kPa)	Equivalent Concrete Quantity (mm^3/mm^2)	Design Strength in Positive Bending $\phi M_{uo}+$ (kNm/m)	Gross Second Moment of Area - I ($x10^6$ mm^4/m)★	Cracked Section Second Moment of Area - I_{cr} ($x10^6$ mm^4/m)★
90	1.79	74	26.3	55.22	25.12
95	1.91	79	29.1	64.94	28.99
100	2.03	84	31.3	75.76	33.18
105	2.15	89	33.5	87.77	37.60
110	2.27	94	35.7	100.96	42.42
115	2.39	99	37.9	115.50	47.48
120	2.52	104	40.1	131.30	52.93
125	2.64	109	42.3	148.60	58.70
130	2.76	114	44.5	167.32	64.70
135	2.88	119	46.7	187.55	71.10
140	3.00	124	48.9	209.43	77.82
145	3.12	129	51.1	232.97	84.85
150	3.24	134	53.3	258.25	92.19
155	3.36	139	55.5	285.27	99.86
160	3.48	144	57.7	314.18	107.91
165	3.60	149	59.9	344.99	116.21
170	3.72	154	62.1	377.78	124.90
175	3.85	159	64.3	412.54	133.91
180	3.97	164	66.5	449.51	143.31
185	4.09	169	68.7	488.54	152.94
190	4.21	174	70.9	529.85	162.98
195	4.33	179	73.1	573.46	173.33
200	4.45	184	75.3	619.36	183.99
205	4.57	189	77.5	667.71	195.05
210	4.69	194	79.7	718.58	206.43
215	4.81	199	81.9	771.91	218.12
220	4.93	204	84.1	827.92	230.13
225	5.06	209	86.3	886.54	242.53
230	5.18	214	88.5	947.92	255.25
235	5.30	219	90.7	1011.99	268.28
240	5.42	224	92.9	1078.98	281.71
245	5.54	229	95.1	1148.90	295.46
250	5.66	234	97.3	1221.81	309.52

Table 4.7.B KF40® Composite Slab Properties - 0.75 BMT

Parameters

★ Values are given in transformed concrete sections, 25MPa.

Modular ratio 7.9.

KF40® Composite Slab Properties

KF40® **1.00**

Dcs (mm)	Slab Weight (kPa)	Equivalent Concrete Quantity (mm^3/mm^2)	Design Strength in Positive Bending $\phi M_{uo}+$ (kNm/m)	Gross Second Moment of Area - I ($x10^6$ mm^4/m)★	Cracked Section Second Moment of Area - I_{cr} ($x10^6$ mm^4/m)★
90	1.79	74	26.3	58.07	30.89
95	1.91	79	29.9	68.26	35.71
100	2.03	84	33.9	79.55	40.92
105	2.15	89	38.0	92.04	46.45
110	2.27	94	42.4	105.78	52.46
115	2.39	99	47.0	120.79	58.86
120	2.51	104	50.9	137.22	65.73
125	2.63	109	53.8	155.16	72.92
130	2.75	114	56.8	174.51	80.58
135	2.87	119	59.7	195.53	88.56
140	2.99	124	62.7	218.12	97.09
145	3.12	129	65.6	242.37	105.94
150	3.24	134	68.5	268.44	115.26
155	3.36	139	71.5	296.33	124.98
160	3.48	144	74.4	326.11	135.17
165	3.60	149	77.3	357.79	145.76
170	3.72	154	80.3	391.52	156.74
175	3.84	159	83.2	427.31	168.19
180	3.96	164	86.1	465.23	180.12
185	4.08	169	89.1	505.28	192.44
190	4.20	174	92.0	547.71	205.16
195	4.32	179	94.9	592.34	218.36
200	4.44	184	97.9	639.43	231.94
205	4.56	189	100.8	688.96	246.01
210	4.68	194	103.7	740.94	260.54
215	4.81	199	106.7	795.53	275.47
220	4.93	204	109.6	852.81	290.88
225	5.05	209	112.5	912.69	306.68
230	5.17	214	115.5	975.41	323.03
235	5.29	219	118.4	1040.90	339.70
240	5.41	224	121.3	1109.24	356.84
245	5.53	229	124.3	1180.58	374.46
250	5.65	234	127.2	1254.92	392.55

Table 4.7.C KF40® Composite Slab Properties - 1.00 BMT

Parameters

★ Values are given in transformed concrete sections, 25MPa.

Modular ratio 7.9.

4.9 KF40® Composite Slab Span Tables

Index of KF40® Composite Slab Span Tables

Composite Slab Span Tables Notes

The composite slab span tables are to be used to design KingFlor composite slabs that do not have a fire requirement and meet the assumptions below. For a fire rated slab refer to the fire resistance tables. For designs outside the parameters below and specified on the tables refer to the KingFlor Designer Suite or your local Fielders representative. For propping requirements refer to the temporary propping tables.

Notation

Dcs = depth of composite slab.
L = Span between permanent supports.

Loads

Construction Live Load 1.0kPa
Ceiling & Services Load 0.35kPa
Partitions Load 0.5kPa

Short & Long-Term Factors

Short-term factor $\psi = 0.7$
Long-term factor $\psi = 0.4$
Combination-term factor $\psi = 0.4$

Concrete Properties

Normal wet density of concrete 2400kg/m^3
Normal dry density of concrete 2350 kg/m^3
Concrete strength f'c = 25MPa
Exposure Classification A1 with moderate crack control
Cover to top reinforcement is 30mm

Reinforcing

Steel Yield Strength f_{sy} = 500MPa

Mesh

Mesh is to be located in the top of the slab. Where the mesh code ends with a 'T' (eg. RL918T), the larger bars are to be located perpendicular to the decking ribs with the smaller perpendicular bars on top. Laps in mesh are to occur midspan.

Bars

Bars where required, are to be placed over internal permanent supports, on top of mesh. Length of bars are to be 0.6 x larger span + width of support. The bars are to be located 0.3 x span from edge of support for internal supports.

Spans

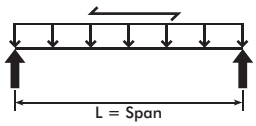
Spans L1, L2, L3 etc. cannot differ by more than 5% from both L1 and Ln.

Span is considered to be the larger of L1, L2...Ln.

Support width 50mm

The composite slab tables have been prepared with the assumptions stated above. More refined designs can be obtained from Fielders or by using the KingFlor Designer Suite. Contact your local Fielders representative for design assistance.

KF40® Composite Slab Spans
Single Spans 0.60 BMT



0.60

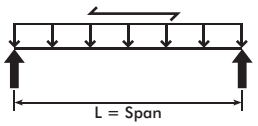
Span (mm)	Live Load 1.5kPa			Live Load 3.0 kPa			Live Load 5.0kPa		
	Dcs	Mesh	Bars	Dcs	Mesh	Bars	Dcs	Mesh	Bars
1,000	90	SL72	-	90	SL72	-	90	SL72	-
1,250	90	SL72	-	90	SL72	-	90	SL72	-
1,500	90	SL72	-	90	SL72	-	90	SL72	-
1,750	90	SL72	-	90	SL72	-	90	SL72	-
2,000	90	SL72	-	90	SL72	-	90	SL72	-
2,250	90	SL72	-	90	SL72	-	90	SL72	-
2,500	90	SL72	-	90	SL72	-	100	SL82	-
2,750	90	SL72	-	95	SL82	-	110	SL92	-
3,000	95	SL82	-	105	SL82	-	120	SL92	-
3,250	105	SL82	-	120	SL92	-	130	SL102	-
3,500	115	SL92	-	130	SL102	-	140	SL81	-
3,750	125	SL102	-	140	SL102	-	155	SL81	-
4,000	135	SL102	-	150	SL81	-	165	SL81	-
4,250	145	SL81	-	160	SL81	-	185	RL918T	-
4,500	155	SL81	-	180	RL918T	-	200	RL918T	-
4,750	165	SL81	-	195	RL918T	-	215	RL1018T	-
5,000	185	RL918T	-	205	RL918T	-	230	RL1018T	-
5,250	200	RL918T	-	220	RL1018T	-	245	RL1118T	-
5,500	215	RL1018T	-	235	RL1018T	-	260	RL1118T	-
5,750	230	RL1018T	-	250	RL1118T	-	275	RL1118T	-
6,000	245	RL1118T	-	265	RL1118T	-	290	RL1118T	-
6,250	260	RL1118T	-	280	RL1118T	-	305	RL1218T	-
6,500	275	RL1118T	-	295	RL1118T	-	320	RL1218T	-
6,750	290	RL1118T	-	315	RL1218T	-	340	RL1218T	-
7,000	305	RL1218T	-	330	RL1218T	-	-		

Table 4.9.A KF40® Composite Slab Spans - Single Spans 0.60 BMT

Deflection Criteria
Construction Deflection = L/240
Incremental Deflection = L/500
Total Deflection = L/250

Refer to the start of this section for additional parameters used to calculate the above table.

KF40® Composite Slab Spans
Single Spans 0.75 BMT



0.75

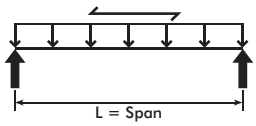
Span (mm)	Live Load 1.5kPa			Live Load 3.0 kPa			Live Load 5.0kPa		
	Dcs	Mesh	Bars	Dcs	Mesh	Bars	Dcs	Mesh	Bars
1,000	90	SL72	-	90	SL72	-	90	SL72	-
1,250	90	SL72	-	90	SL72	-	90	SL72	-
1,500	90	SL72	-	90	SL72	-	90	SL72	-
1,750	90	SL72	-	90	SL72	-	90	SL72	-
2,000	90	SL72	-	90	SL72	-	90	SL72	-
2,250	90	SL72	-	90	SL72	-	90	SL72	-
2,500	90	SL72	-	90	SL72	-	95	SL82	-
2,750	90	SL72	-	95	SL82	-	105	SL92	-
3,000	95	SL82	-	105	SL82	-	120	SL92	-
3,250	100	SL82	-	115	SL92	-	130	SL102	-
3,500	110	SL92	-	125	SL102	-	140	SL102	-
3,750	120	SL102	-	140	SL102	-	155	SL81	-
4,000	135	SL102	-	145	SL81	-	165	SL81	-
4,250	140	SL81	-	160	SL81	-	185	RL918T	-
4,500	155	SL81	-	165	SL81	-	195	RL918T	-
4,750	165	SL81	-	190	RL918T	-	210	RL1018T	-
5,000	185	RL918T	-	205	RL918T	-	225	RL1018T	-
5,250	200	RL918T	-	220	RL1018T	-	240	RL1018T	-
5,500	210	RL1018T	-	230	RL1018T	-	255	RL1118T	-
5,750	225	RL1018T	-	245	RL1118T	-	270	RL1118T	-
6,000	240	RL1018T	-	265	RL1118T	-	285	RL1118T	-
6,250	255	RL1118T	-	275	RL1118T	-	300	RL1218T	-
6,500	270	RL1118T	-	295	RL1118T	-	320	RL1218T	-
6,750	285	RL1118T	-	310	RL1218T	-	335	RL1218T	-
7,000	305	RL1218T	-	325	RL1218T	-	355	RL1218T	-

Table 4.9.B KF40® Composite Slab Spans - Single Spans 0.75 BMT

Deflection Criteria
Construction Deflection = L/240
Incremental Deflection = L/500
Total Deflection = L/250

Refer to the start of this section for additional parameters used to calculate the above table.

KF40® Composite Slab Spans
Single Spans 1.00 BMT



1.00

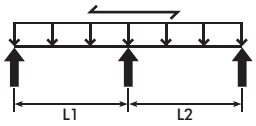
Span (mm)	Live Load 1.5kPa			Live Load 3.0 kPa			Live Load 5.0kPa		
	Dcs	Mesh	Bars	Dcs	Mesh	Bars	Dcs	Mesh	Bars
1,000	90	SL72	-	90	SL72	-	90	SL72	-
1,250	90	SL72	-	90	SL72	-	90	SL72	-
1,500	90	SL72	-	90	SL72	-	90	SL72	-
1,750	90	SL72	-	90	SL72	-	90	SL72	-
2,000	90	SL72	-	90	SL72	-	90	SL72	-
2,250	90	SL72	-	90	SL72	-	90	SL72	-
2,500	90	SL72	-	90	SL72	-	95	SL82	-
2,750	90	SL72	-	90	SL72	-	105	SL82	-
3,000	90	SL72	-	100	SL82	-	115	SL92	-
3,250	100	SL82	-	110	SL92	-	125	SL102	-
3,500	110	SL92	-	125	SL102	-	140	SL102	-
3,750	120	SL92	-	135	SL102	-	150	SL81	-
4,000	130	SL102	-	145	SL81	-	160	SL81	-
4,250	140	SL81	-	160	SL81	-	180	RL918T	-
4,500	150	SL81	-	170	SL81	-	190	RL918T	-
4,750	165	SL81	-	185	RL918T	-	205	RL918T	-
5,000	180	RL918T	-	200	RL918T	-	220	RL1018T	-
5,250	195	RL918T	-	215	RL1018T	-	235	RL1018T	-
5,500	210	RL1018T	-	230	RL1018T	-	250	RL1118T	-
5,750	220	RL1018T	-	240	RL1018T	-	265	RL1118T	-
6,000	235	RL1018T	-	255	RL1118T	-	280	RL1118T	-
6,250	250	RL1118T	-	275	RL1118T	-	300	RL1218T	-
6,500	265	RL1118T	-	290	RL1118T	-	315	RL1218T	-
6,750	285	RL1118T	-	305	RL1218T	-	330	RL1218T	-
7,000	300	RL1218T	-	320	RL1218T	-	350	RL1218T	-

Table 4.9.C KF40® Composite Slab Spans - Single Spans 1.00 BMT

Deflection Criteria
Construction Deflection = L/240
Incremental Deflection = L/500
Total Deflection = L/250

Refer to the start of this section for additional parameters used to calculate the above table.

KF40® Composite Slab Spans
Double Spans 0.60 BMT



0.60

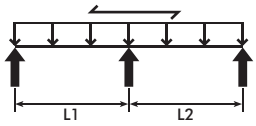
Span (mm)	Live Load 1.5kPa			Live Load 3.0 kPa			Live Load 5.0kPa		
	Dcs	Mesh	Bars	Dcs	Mesh	Bars	Dcs	Mesh	Bars
1,000	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
1,250	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
1,500	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
1,750	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,000	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,250	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,500	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,750	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
3,000	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@300
3,250	100	SL82	N12@400	100	SL82	N12@400	105	SL92	N16@400
3,500	100	SL82	N12@400	100	SL82	N12@300	115	SL92	N16@400
3,750	100	SL82	N12@400	105	SL82	N12@275	120	SL92	N16@400
4,000	100	SL82	N12@350	110	SL92	N16@400	125	SL102	N16@400
4,250	105	SL82	N12@325	120	SL92	N16@400	135	SL102	N16@400
4,500	115	SL92	N12@375	125	SL102	N16@400	145	SL81	N16@275
4,750	120	SL92	N12@325	135	SL102	N16@400	150	SL81	N16@300
5,000	130	SL102	N12@375	145	SL81	N16@275	160	SL81	N16@300
5,250	140	SL102	N12@350	150	SL81	N16@275	170	SL81	N16@300
5,500	145	SL81	N12@400	160	SL81	N16@275	185	RL918T	N16@275
5,750	155	SL81	N12@400	170	SL81	N16@300	195	RL918T	N16@250
6,000	160	SL81	N12@325	185	RL918T	N16@300	205	RL918T	N16@225
6,250	170	SL81	N12@300	195	RL918T	N16@275	215	RL1018T	N16@225
6,500	185	RL918T	N16@300	205	RL918T	N16@275	225	RL1018T	N16@200
6,750	195	RL918T	N16@300	215	RL1018T	N16@250	235	RL1018T	N16@200
7,000	205	RL918T	N16@275	225	RL1018T	N16@225	245	RL1118T	N16@200

Table 4.9.D KF40® Composite Slab Spans - Double Spans 0.60 BMT

Deflection Criteria
Construction Deflection = L/240
Incremental Deflection = L/500
Total Deflection = L/250

Refer to the start of this section for additional parameters used to calculate the above table.

KF40® Composite Slab Spans
Double Spans 0.75 BMT



0.75

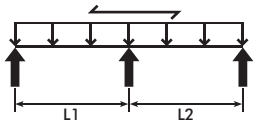
Span (mm)	Live Load 1.5kPa			Live Load 3.0 kPa			Live Load 5.0kPa		
	Dcs	Mesh	Bars	Dcs	Mesh	Bars	Dcs	Mesh	Bars
1,000	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
1,250	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
1,500	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
1,750	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,000	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,250	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,500	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,750	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
3,000	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@275
3,250	100	SL82	N12@400	100	SL82	N12@400	110	SL92	N12@350
3,500	100	SL82	N12@400	105	SL82	N12@375	115	SL92	N12@300
3,750	100	SL82	N12@400	110	SL92	N12@375	120	SL92	N12@250
4,000	100	SL82	N12@350	115	SL92	N12@300	125	SL102	N16@400
4,250	105	SL82	N12@300	125	SL102	N12@375	130	SL102	N16@325
4,500	110	SL92	N12@325	135	SL102	N12@350	140	SL102	N16@325
4,750	120	SL92	N12@325	140	SL102	N12@300	150	SL81	N16@300
5,000	130	SL102	N12@375	145	SL81	N12@350	155	SL81	N16@300
5,250	135	SL102	N12@325	150	SL81	N12@275	165	SL81	N16@300
5,500	145	SL81	N12@400	160	SL81	N12@250	180	RL918T	N16@250
5,750	155	SL81	N12@375	170	SL81	N12@250	190	RL918T	N16@250
6,000	160	SL81	N12@325	180	RL918T	N16@275	200	RL918T	N16@225
6,250	170	SL81	N12@300	190	RL918T	N16@275	210	RL1018T	N16@225
6,500	185	RL918T	N16@300	200	RL918T	N16@250	220	RL1018T	N16@200
6,750	195	RL918T	N16@300	210	RL1018T	N16@250	230	RL1018T	N16@200
7,000	205	RL918T	N16@275	220	RL1018T	N16@225	245	RL1118T	N16@200

Table 4.9.E KF40® Composite Slab Spans - Double Spans 0.75 BMT

Deflection Criteria
Construction Deflection = L/240
Incremental Deflection = L/500
Total Deflection = L/250

Refer to the start of this section for additional parameters used to calculate the above table.

KF40® Composite Slab Spans
Double Spans 1.00 BMT



1.00

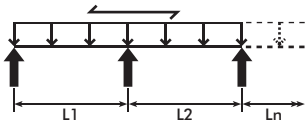
Span (mm)	Live Load 1.5kPa			Live Load 3.0 kPa			Live Load 5.0kPa		
	Dcs	Mesh	Bars	Dcs	Mesh	Bars	Dcs	Mesh	Bars
1,000	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
1,250	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
1,500	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
1,750	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,000	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,250	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,500	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,750	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
3,000	100	SL82	N12@400	100	SL82	N12@400	110	SL92	N12@400
3,250	100	SL82	N12@400	100	SL82	N12@400	110	SL92	N12@350
3,500	100	SL82	N12@400	105	SL82	N12@375	120	SL92	N12@325
3,750	100	SL82	N12@400	110	SL92	N12@375	125	SL102	N12@325
4,000	100	SL82	N12@350	120	SL92	N12@350	135	SL102	N12@300
4,250	110	SL92	N12@400	125	SL102	N12@350	140	SL102	N12@250
4,500	110	SL92	N12@300	130	SL102	N12@300	145	SL81	N12@275
4,750	120	SL92	N12@325	130	SL102	N12@225	145	SL81	N12@225
5,000	125	SL102	N12@325	140	SL102	N12@225	155	SL81	N12@200
5,250	135	SL102	N12@325	150	SL81	N12@275	165	SL81	N12@200
5,500	145	SL81	N12@400	155	SL81	N12@250	180	RL918T	N16@250
5,750	150	SL81	N12@350	165	SL81	N12@225	190	RL918T	N16@250
6,000	160	SL81	N12@325	180	RL918T	N16@275	200	RL918T	N16@225
6,250	170	SL81	N12@300	185	RL918T	N16@250	205	RL918T	N16@200
6,500	180	RL918T	N16@300	195	RL918T	N16@250	215	RL1018T	N16@200
6,750	195	RL918T	N16@300	210	RL1018T	N16@250	230	RL1018T	N16@200
7,000	200	RL918T	N16@275	220	RL1018T	N16@225	240	RL1018T	N16@175

Table 4.9.F KF40® Composite Slab Spans - Double Spans 1.00 BMT

Deflection Criteria
Construction Deflection = L/240
Incremental Deflection = L/500
Total Deflection = L/250

Refer to the start of this section for additional parameters used to calculate the above table.

KF40® Composite Slab Spans
Continuous Spans 0.60 BMT



0.60

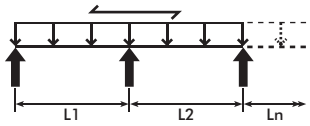
Span (mm)	Live Load 1.5kPa			Live Load 3.0 kPa			Live Load 5.0kPa		
	Dcs	Mesh	Bars	Dcs	Mesh	Bars	Dcs	Mesh	Bars
1,000	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
1,250	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
1,500	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
1,750	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,000	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,250	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,500	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,750	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
3,000	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
3,250	100	SL82	N12@400	100	SL82	N12@400	110	SL92	N12@400
3,500	100	SL82	N12@400	105	SL82	N12@400	115	SL92	N12@400
3,750	100	SL82	N12@400	110	SL92	N12@400	125	SL102	N12@400
4,000	105	SL82	N12@400	120	SL92	N12@400	135	SL102	N12@400
4,250	115	SL92	N12@400	130	SL102	N12@400	145	SL81	N12@400
4,500	120	SL102	N12@400	140	SL102	N12@400	155	SL81	N12@400
4,750	130	SL102	N12@400	145	SL81	N12@400	165	SL81	N12@400
5,000	140	SL102	N12@400	155	SL81	N12@400	180	RL918T	N12@225
5,250	150	SL81	N12@400	165	SL81	N12@400	190	RL918T	N12@225
5,500	155	SL81	N12@400	180	RL918T	N12@275	200	RL918T	N12@200
5,750	165	SL81	N12@400	190	RL918T	N12@250	215	RL1018T	N12@200
6,000	180	RL918T	N12@325	200	RL918T	N12@225	220	RL1018T	N16@300
6,250	190	RL918T	N12@300	215	RL1018T	N12@225	230	RL1018T	N16@300
6,500	200	RL918T	N12@300	220	RL1018T	N12@200	245	RL1118T	N16@300
6,750	215	RL1018T	N12@275	240	RL1018T	N12@200	255	RL1118T	N16@275
7,000	225	RL1018T	N12@250	245	RL1118T	N16@300	270	RL1118T	N16@275

Table 4.9.G KF40® Composite Slab Spans - Continuous Spans 0.60 BMT

Deflection Criteria
Construction Deflection = L/240
Incremental Deflection = L/500
Total Deflection = L/250

Refer to the start of this section for additional parameters used to calculate the above table.

KF40® Composite Slab Spans
Continuous Spans 0.75 BMT



0.75

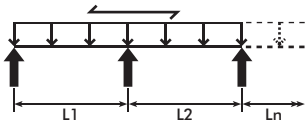
Span (mm)	Live Load 1.5kPa			Live Load 3.0 kPa			Live Load 5.0kPa		
	Dcs	Mesh	Bars	Dcs	Mesh	Bars	Dcs	Mesh	Bars
1,000	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
1,250	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
1,500	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
1,750	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,000	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,250	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,500	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,750	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
3,000	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
3,250	100	SL82	N12@400	100	SL82	N12@400	105	SL92	N12@400
3,500	100	SL82	N12@400	100	SL82	N12@400	115	SL92	N12@400
3,750	100	SL82	N12@400	110	SL92	N12@400	125	SL102	N12@400
4,000	105	SL82	N12@400	120	SL92	N12@400	135	SL102	N12@400
4,250	115	SL92	N12@400	125	SL102	N12@400	145	SL81	N12@400
4,500	120	SL92	N12@400	135	SL102	N12@400	150	SL81	N12@400
4,750	130	SL102	N12@400	145	SL81	N12@400	160	SL81	N12@400
5,000	140	SL102	N12@400	155	SL81	N12@400	170	SL81	N12@400
5,250	145	SL81	N12@400	165	SL81	N12@400	185	RL918T	N12@200
5,500	155	SL81	N12@400	180	RL918T	N12@250	195	RL918T	N12@200
5,750	165	SL81	N12@400	190	RL918T	N12@250	205	RL918T	N16@300
6,000	180	RL918T	N12@300	200	RL918T	N12@225	220	RL1018T	N16@300
6,250	190	RL918T	N12@275	215	RL1018T	N12@225	230	RL1018T	N16@300
6,500	200	RL918T	N12@250	220	RL1018T	N12@200	245	RL1118T	N16@300
6,750	210	RL1018T	N12@225	230	RL1018T	N16@300	255	RL1118T	N16@275
7,000	220	RL1018T	N12@225	240	RL1018T	N16@300	270	RL1118T	N16@275

Table 4.9.H KF40® Composite Slab Spans - Continuous Spans 0.75 BMT

Deflection Criteria
Construction Deflection = L/240
Incremental Deflection = L/500
Total Deflection = L/250

Refer to the start of this section for additional parameters used to calculate the above table.

KF40® Composite Slab Spans
Continuous Spans 1.00 BMT



1.00

Span (mm)	Live Load 1.5kPa			Live Load 3.0 kPa			Live Load 5.0kPa		
	Dcs	Mesh	Bars	Dcs	Mesh	Bars	Dcs	Mesh	Bars
1,000	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
1,250	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
1,500	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
1,750	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,000	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,250	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,500	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
2,750	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
3,000	100	SL82	N12@400	100	SL82	N12@400	100	SL82	N12@400
3,250	100	SL82	N12@400	100	SL82	N12@400	105	SL92	N12@400
3,500	100	SL82	N12@400	100	SL82	N12@400	115	SL92	N12@400
3,750	100	SL82	N12@400	110	SL92	N12@400	120	SL102	N12@400
4,000	105	SL82	N12@400	115	SL92	N12@400	130	SL102	N12@400
4,250	110	SL92	N12@400	125	SL102	N12@400	140	SL81	N12@400
4,500	120	SL92	N12@400	135	SL102	N12@400	150	SL81	N12@400
4,750	125	SL102	N12@400	140	SL81	N12@400	160	SL81	N12@400
5,000	135	SL102	N12@400	150	SL81	N12@400	170	SL81	N12@400
5,250	145	SL81	N12@400	160	SL81	N12@400	180	RL918T	N12@200
5,500	155	SL81	N12@400	170	SL81	N12@400	195	RL918T	N12@200
5,750	165	SL81	N12@400	185	RL918T	N12@225	205	RL918T	N12@175
6,000	180	RL918T	N12@300	195	RL918T	N12@225	215	RL1018T	N16@300
6,250	185	RL918T	N12@275	205	RL918T	N12@200	225	RL1018T	N16@300
6,500	195	RL918T	N12@250	215	RL1018T	N12@200	240	RL1018T	N16@275
6,750	210	RL1018T	N12@225	230	RL1018T	N12@175	250	RL1118T	N16@275
7,000	220	RL1018T	N12@225	240	RL1018T	N12@175	265	RL1118T	N16@250

Table 4.9.I KF40® Composite Slab Spans - Continuous Spans 1.00 BMT

Deflection Criteria
Construction Deflection = L/240
Incremental Deflection = L/500
Total Deflection = L/250

Refer to the start of this section for additional parameters used to calculate the above table.