Unpropped Double Spans

ComFlor SR Double Span sheets

Beam Centres

150mm wide beam

99% strength upper limit used

Beam centre dimensions are in 50mm increments

Deflection has an allowance for ponding (soffit deflects but concrete surface remains flat)

Note - a maximum soffit deflection limit of 22mm has been imposed on these tables. Longer spans may be possible.

Soffit deflections in the order of span/250 tend to give visually acceptable results in most cases.

A minimum slab thickness of 105mm is possible, however 120mm is recommended for effective accomodation of reinforcing

Refer to ComFlor software for a fullprint out of design values

	0.75mm			0.90mm			1.00mm			1.25mm		
		Soffit			Soffit			Soffit			Soffit	
Slab	Beam	Deflection	Strength									
Thickness	Centre (m)	(mm)	Utilisation									
110	2.90	13	99%	3.20	15	99%	3.65	21	98%	3.85	22	94%
120	2.75	10	97%	3.10	15	93%	3.55	21	98%	3.75	22	94%
130	2.65	10	97%	3.10	16	99%	3.45	20	97%	3.65	22	95%
140	2.55	9	97%	3.00	14	98%	3.35	19	97%	3.60	22	97%
150	2.50	9	99%	2.90	14	98%	3.30	19	99%	3.50	21	97%
160	2.40	8	97%	2.80	14	98%	3.20	18	92%	3.45	21	99%
170	2.35	9	99%	2.70	13	97%	3.15	18	94%	3.35	20	97%
180	2.25	8	96%	2.65	12	98%	3.10	18	95%	3.30	20	93%
190	2.20	8	97%	2.60	12	99%	3.05	18	96%	3.25	20	94%
200	2.15	8	97%	2.50	11	97%	3.00	18	97%	3.20	20	96%
210	2.10	7	97%	2.45	10	98%	2.95	17	99%	3.15	19	97%
220	2.05	7	97%	2.40	10	99%	2.85	16	97%	3.10	19	98%
230	2.00	6	97%	2.35	9	99%	2.80	16	98%	3.05	19	99%
240	1.95	6	96%	2.30	9	99%	2.75	15	98%	3.00	18	99%
250	1.90	6	96%	2.25	9	99%	2.70	15	98%	2.90	17	97%
260	1.85	6	95%	2.20	8	98%	2.65	15	99%	2.85	17	98%

Spans are calculated using ComFlor software. In some situations the span may be able to be greater than those indicated.

ComFlor software should always be used to determine the spanning capacity and design requirements of ComFlor for the slab.

For a collaborative approach and prompt technical advice please call us on 0800 266 356

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Unpropped Single Spans

ComFlor SR Single Span Sheets

Clear Span

99% strength limit

Clear span dimensions are in 50mm increments

Deflection has an allowance for ponding (soffit deflects but concrete surface remains flat)

Note - a maximum soffit deflection limit of 22mm has been imposed on these tables. Longer spans may be possible.

Soffit deflections in the order of span/250 tend to give visually acceptable results in most cases.

A minimum slab thickness of 105mm is possible, however 120mm is recommended for effective accomodation of reinforcing

Refer to ComFlor software for a fullprint out of design values

	0.75mm			0.90mm			1.00mm			1.25mm		
		Soffit			Soffit			Soffit			Soffit	
Slab	Clear Span	Deflection	Strength									
Thickness	(m)	(mm)	Utilisation									
110	2.55	20	98%	2.70	21	82%	2.85	22	72%	2.95	22	63%
120	2.45	19	95%	2.60	20	80%	2.75	21	71%	2.85	22	62%
130	2.40	19	96%	2.55	21	82%	2.70	21	72%	2.80	22	64%
140	2.35	19	97%	2.50	20	83%	2.65	21	73%	2.75	22	65%
150	2.30	18	98%	2.45	20	83%	2.60	21	74%	2.70	22	65%
160	2.25	18	98%	2.40	20	84%	2.50	20	72%	2.65	21	66%
170	2.20	18	98%	2.35	20	84%	2.50	20	75%	2.60	21	66%
180	2.15	18	98%	2.30	19	84%	2.40	19	72%	2.55	21	67%
190	2.10	17	97%	2.25	19	84%	2.35	18	72%	2.50	20	67%
200	2.05	17	96%	2.20	18	83%	2.35	19	75%	2.45	20	67%
210	2.00	16	96%	2.20	19	87%	2.30	18	75%	2.40	19	66%
220	1.95	15	95%	2.15	17	86%	2.25	18	74%	2.40	19	69%
230	1.90	14	94%	2.10	17	85%	2.20	17	74%	2.35	19	68%
240	1.90	15	97%	2.10	17	88%	2.20	18	76%	2.30	18	68%
250	1.85	14	95%	2.05	16	87%	2.15	17	75%	2.25	18	67%
260	1.80	14	93%	2.00	16	85%	2.10	17	74%	2.25	18	69%

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