

COMSLAB[®]

SHORING TABLES

CANADA 

COMSLAB® MAXIMUM UNSHORED SPANS, METRIC UNITS

1.0 KPA CONSTRUCTION LIVE LOAD

CS210 Maximum Unshored Span (meters)								
Number of Lines Required	0.953 mm Steel Thickness							
	Total Slab Thickness (mm)							
	270	280	290	300	310	320	330	340
Not Required	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1
1 @ 1/2 Span	4.7	4.3	4.0	3.7	3.5	3.3	3.1	2.9
2 @ 1/3 Span	7.8	7.3	6.8	6.3	5.9	5.6	5.2	5.0

CS210 Maximum Unshored Span (meters)								
Number of Lines Required	1.26 mm Steel Thickness							
	Total Slab Thickness (mm)							
	270	280	290	300	310	320	330	340
Not Required	5.3	5.1	5.0	4.8	4.7	4.6	4.5	4.4
1 @ 1/2 Span	8.5	7.9	7.4	7.0	6.6	6.2	5.8	5.5
2 @ 1/3 Span	10.0	10.0	10.0	10.0	10.0	9.7	9.2	8.8

2.0 KPA CONSTRUCTION LIVE LOAD

CS210 Maximum Unshored Span (meters)									
Number of Lines Required	0.953 mm Steel Thickness								
	Total Slab Thickness (mm)								
	270	280	290	300	310	320	330	340	
Not Required	3.5	3.4	3.3	3.2	3.2	3.1	3.0	3.0	
1 @ 1/2 Span	4.4	4.1	3.9	3.7	3.5	3.3	3.1	2.9	
2 @ 1/3 Span	6.7	6.3	5.9	5.6	5.3	5.1	4.9	4.7	

CS210 Maximum Unshored Span (meters)								
Number of Lines Required	1.26 mm Steel Thickness							
	Total Slab Thickness (mm)							
	270	280	290	300	310	320	330	340
Not Required	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0
1 @ 1/2 Span	7.4	6.9	6.6	6.2	5.9	5.6	5.4	5.1
2 @ 1/3 Span	10.0	10.0	10.0	9.5	9.1	8.6	8.3	7.9

1.0 KPA CONSTRUCTION LIVE LOAD

CS120 Maximum Unshored Span (meters)								
Number of Lines Required	0.953 mm Steel Thickness							
	Total Slab Thickness (mm)							
	190	200	210	220	230	240	250	260
Not Required	3.3	3.2	3.1	3.0	2.9	2.9	2.8	2.7
1 @ 1/2 Span	5.9	5.4	5.0	4.6	4.3	4.0	3.8	3.6
2 @ 1/3 Span	8.0	8.0	8.0	7.6	7.2	6.8	6.4	6.1

CS120 Maximum Unshored Span (meters)								
Number of Lines Required	1.26 mm Steel Thickness							
	Total Slab Thickness (mm)							
	190	200	210	220	230	240	250	260
Not Required	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1
1 @ 1/2 Span	8.0	8.0	8.0	7.9	7.4	7.0	6.6	6.2
2 @ 1/3 Span	N/A	N/A	N/A	8.0	8.0	8.0	8.0	8.0

2.0 KPA CONSTRUCTION LIVE LOAD

CS120 Maximum Unshored Span (meters)								
Number of Lines Required	0.953 mm Steel Thickness							
	Total Slab Thickness (mm)							
	190	200	210	220	230	240	250	260
Not Required	3.1	3.0	2.9	2.9	2.8	2.7	2.7	2.6
1 @ 1/2 Span	5.2	4.9	4.6	4.3	4.1	3.9	3.7	3.6
2 @ 1/3 Span	7.9	7.5	7.0	6.7	6.3	6.0	5.7	5.5

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COMSLAB® MAXIMUM UNSHORED SPANS, IMPERIAL UNITS

20 PSF CONSTRUCTION LIVE LOAD

CS210 Maximum Unshored Span (feet)								
Number of Lines Required	0.0375 in. Steel Thickness							
	Total Slab Thickness (in.)							
	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Not Required	12.7	12.1	11.6	11.2	10.8	10.5	10.2	9.9
1 @ 1/2 Span	15.8	14.2	12.9	11.8	10.9	10.1	9.4	8.8
2 @ 1/3 Span	26.1	23.9	21.9	20.1	18.5	17.2	16.0	15.0

CS210 Maximum Unshored Span (feet)								
Number of Lines Required	0.0495 in. Steel Thickness							
	Total Slab Thickness (in.)							
	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Not Required	17.4	16.8	16.2	15.7	15.2	14.7	14.3	13.9
1 @ 1/2 Span	28.6	26.2	24.1	22.2	20.5	19.1	17.8	16.7
2 @ 1/3 Span	33.0	33.0	33.0	33.0	32.2	30.2	28.4	26.8

40 PSF CONSTRUCTION LIVE LOAD

CS210 Maximum Unshored Span (feet)								
Number of Lines Required	0.0375 in. Steel Thickness							
	Total Slab Thickness (in.)							
	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Not Required	11.4	11.1	10.8	10.5	10.2	9.9	9.7	9.5
1 @ 1/2 Span	14.6	13.5	12.6	11.7	10.9	10.1	9.4	8.8
2 @ 1/3 Span	22.3	20.7	19.2	18.0	16.9	16.0	15.1	14.3

CS210 Maximum Unshored Span (feet)								
Number of Lines Required	0.0495 in. Steel Thickness							
	Total Slab Thickness (in.)							
	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Not Required	15.4	15.0	14.6	14.2	13.8	13.5	13.2	12.9
1 @ 1/2 Span	24.7	22.8	21.2	19.9	18.7	17.6	16.6	15.8
2 @ 1/3 Span	33.0	33.0	32.6	30.5	28.7	27.0	25.6	24.3

20 PSF CONSTRUCTION LIVE LOAD

CS120 Maximum Unshored Span (feet)								
Number of Lines Required	0.0375 in. Steel Thickness							
	Total Slab Thickness (in.)							
	7.25	7.5	8.0	8.25	8.5	9.0	9.5	10.0
Not Required	11.2	10.9	10.5	10.2	10.0	9.7	9.4	9.1
1 @ 1/2 Span	20.4	19.2	17.2	16.3	15.6	14.2	13.1	12.1
2 @ 1/3 Span	26.0	26.0	26.0	26.0	25.7	23.8	22.1	20.7

CS120 Maximum Unshored Span (feet)								
Number of Lines Required	0.0495 in. Steel Thickness							
	Total Slab Thickness (in.)							
	7.25	7.5	8.0	8.25	8.5	9.0	9.5	10.0
Not Required	12.8	12.5	12.0	11.7	11.5	11.1	10.7	10.3
1 @ 1/2 Span	26.0	26.0	26.0	26.0	26.0	24.5	22.7	21.1
2 @ 1/3 Span	N/A	N/A	N/A	N/A	N/A	26.0	26.0	26.0

40 PSF CONSTRUCTION LIVE LOAD

CS120 Maximum Unshored Span (feet)								
Number of Lines Required	0.0375 in. Steel Thickness							
	Total Slab Thickness (in.)							
	7.25	7.5	8.0	8.25	8.5	9.0	9.5	10.0
Not Required	10.2	10.1	9.8	9.6	9.5	9.2	9.0	8.8
1 @ 1/2 Span	17.8	17.0	15.7	15.1	14.6	13.6	12.8	12.0
2 @ 1/3 Span	26.0	26.0	24.0	23.2	22.4	20.9	19.6	18.5

CS120 Maximum Unshored Span (feet)								
Number of Lines Required	0.0495 in. Steel Thickness							
	Total Slab Thickness (in.)							
	7.25	7.5	8.0	8.25	8.5	9.0	9.5	10.0
Not Required	11.5	11.3	10.9	10.8	10.6	10.3	10.1	9.8
1 @ 1/2 Span	26.0	25.7	25.0	24.1	23.3	21.7	20.4	19.2
2 @ 1/3 Span	N/A	26.0	26.0	26.0	26.0	26.0	26.0	26.0