

Slab-on-Grade Floor Construction

MaxTen™ Fiber Reinforcement Conversion Table - Welded Wire Fabric									
		Recommended Application Rates							
		6 in. x 6 in.							
		W 1.4	W2	W2.9	W4				
		10/10	8/8	6/6	4/4				
		0.028	0.040	0.058	0.080				
		MaxTen MT 225		MaxTen MT 225		MaxTen MT 225		MaxTen MT 225	
		W _f (lb/yd ³)		W _f (lb/yd ³)		W _f (lb/yd ³)		W _f (lb/yd ³)	
Slab Thickness (in.)	Wire Gauge A _s (in. ² /ft.)	f _{e3} (psi)	f _{e3} (psi)	f _{e3} (psi)	f _{e3} (psi)	f _{e3} (psi)	f _{e3} (psi)	f _{e3} (psi)	f _{e3} (psi)
4.00		102	133	193	205	3.0	4.5	7.1	7.6
5.00		102	102	148	177	3.0	3.0	5.1	6.4
6.00		102	102	129	148	3.0	3.0	4.3	5.1
7.00		102	102	107	133	3.0	3.0	3.4	4.5
8.00		102	102	102	133	3.0	3.0	3.0	4.5

MaxTen™ Fiber Reinforcement Conversion Table - Welded Wire Fabric									
		Recommended Application Rates							
		4 in. x 4 in.							
		W 1.4	W2	W2.9	W4				
		10/10	8/8	6/6	4/4				
		0.042	0.060	0.087	0.120				
		MaxTen MT 225		MaxTen MT 225		MaxTen MT 225		MaxTen MT 225	
		W _f (lb/yd ³)		W _f (lb/yd ³)		W _f (lb/yd ³)		W _f (lb/yd ³)	
Slab Thickness (in.)	Wire Gauge A _s (in. ² /ft.)	f _{e3} (psi)	f _{e3} (psi)	f _{e3} (psi)	f _{e3} (psi)	f _{e3} (psi)	f _{e3} (psi)	f _{e3} (psi)	f _{e3} (psi)
4.00		139	199	222	222	4.8	7.3	8.3	8.3
5.00		107	155	193	222	3.4	5.4	8.3	8.3
6.00		102	133	161	199	3.0	4.5	7.1	8.3
7.00		102	110	145	199	3.0	3.5	5.6	8.3
8.00		102	102	145	199	3.0	3.0	5.0	7.3



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MaxTen™ Fiber Reinforcement Conversion Table - Welded Wire Fabric Recommended Application Rates $f'_c = 20 \text{ MPa}$									
		150 mm x 150 mm							
		W 1.4	W2		W2.9		W4		
		10/10	8/8		6/6		4/4		
$A_s \text{ (mm}^2/\text{m)}$		59.3	84.7		122.8		169.3		
Slab Thickness (mm)	Wire Gauge	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)
100		0.70	1.75	0.92	2.65	1.33	4.20		
130		0.70	1.75	0.70	1.75	1.02	3.05	1.41	4.50
150		0.70	1.75	0.70	1.75	0.89	2.55	1.22	3.80
180		0.70	1.75	0.70	1.75	0.74	2.00	1.02	3.05
200		0.70	1.75	0.70	1.75	0.70	1.75	0.92	2.65

MaxTen™ Fiber Reinforcement Conversion Table - Welded Wire Fabric Recommended Application Rates $f'_c = 20 \text{ MPa}$									
		100 mm x 100 mm							
		W 1.4	W2		W2.9		W4		
		10/10	8/8		6/6		4/4		
$A_s \text{ (mm}^2/\text{m)}$		88.9	127.0		184.2		254.0		
Slab Thickness (in.)	Wire Gauge	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)
100		0.96	2.85	1.37	4.35				
130		0.74	2.00	1.07	3.20	1.53	4.95		
150		0.70	1.75	0.92	2.65	1.33	4.20		
180		0.70	1.75	0.76	2.10	1.11	3.35	1.53	4.90
200		0.70	1.75	0.70	1.75	1.00	2.95	1.37	4.35



Slab-on-Grade Floor Construction

MaxTen™ Fiber Reinforcement Conversion Table - Welded Wire Fabric									
		Recommended Application Rates							
		$f'_c = 25 \text{ MPa}$							
		$f'_c = 3,625 \text{ psi}$							
		6 in. x 6 in.							
Wire Gauge		W 1.4	W2		W2.9		W4		
A _s (in. ² /ft.)		10/10	8/8		6/6		4/4		
		0.028	0.040		0.058		0.080		
Slab Thickness (in.)		f_{e3} (psi)	MaxTen MT 225 w_f (lb/yd ³)	f_{e3} (psi)	MaxTen MT 225 w_f (lb/yd ³)	f_{e3} (psi)	MaxTen MT 225 w_f (lb/yd ³)	f_{e3} (psi)	MaxTen MT 225 w_f (lb/yd ³)
4.00		116	3.0	133	4.0	193	6.5	265	9.7
5.00		116	3.0	116	3.0	148	4.6	205	7.0
6.00		116	3.0	116	3.0	129	3.8	177	5.9
7.00		116	3.0	116	3.0	116	3.0	148	4.6
8.00		116	3.0	116	3.0	116	3.0	133	4.0

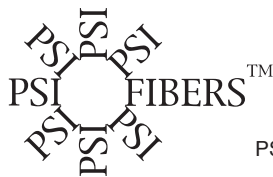
MaxTen™ Fiber Reinforcement Conversion Table - Welded Wire Fabric									
		Recommended Application Rates							
		$f'_c = 25 \text{ MPa}$							
		$f'_c = 3,625 \text{ psi}$							
		4 in. x 4 in.							
Wire Gauge		W 1.4	W2		W2.9		W4		
A _s (in. ² /ft.)		10/10	8/8		6/6		4/4		
		0.042	0.060		0.087		0.120		
Slab Thickness (in.)		f_{e3} (psi)	MaxTen MT 225 w_f (lb/yd ³)	f_{e3} (psi)	MaxTen MT 225 w_f (lb/yd ³)	f_{e3} (psi)	MaxTen MT 225 w_f (lb/yd ³)	f_{e3} (psi)	MaxTen MT 225 w_f (lb/yd ³)
4.00		139	4.2	199	6.8				
5.00		116	3.0	154	4.8	222	7.8		
6.00		116	3.0	133	4.0	193	6.5	265	9.7
7.00		116	3.0	116	3.0	161	5.1	222	7.8
8.00		116	3.0	116	3.0	145	4.5	199	6.8



Slab-on-Grade Floor Construction

MaxTen™ Fiber Reinforcement Conversion Table - Welded Wire Fabric Recommended Application Rates $f'_c = 25 \text{ MPa}$									
		150 mm x 150 mm							
Wire Gauge		W 1.4	W2		W2.9		W4		
A_s (mm ² /m)		10/10	8/8		6/6		4/4		
		59.3	84.7		122.8		169.3		
Slab Thickness (mm)		f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)
100		0.80	1.75	0.92	2.35	1.33	3.85	1.83	5.75
130		0.80	1.75	0.80	1.75	1.02	2.75	1.41	4.15
150		0.80	1.75	0.80	1.75	0.89	2.25	1.22	3.50
180		0.80	1.75	0.80	1.75	0.80	1.75	1.02	2.70
200		0.80	1.75	0.80	1.75	0.80	1.75	0.92	2.35

MaxTen™ Fiber Reinforcement Conversion Table - Welded Wire Fabric Recommended Application Rates $f'_c = 25 \text{ MPa}$									
		100 mm x 100 mm							
Wire Gauge		W 1.4	W2		W2.9		W4		
A_s (mm ² /m)		10/10	8/8		6/6		4/4		
		88.9	127.0		184.2		254.0		
Slab Thickness (in.)		f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)
100		0.96	2.50	1.37	4.05				
130		0.80	1.75	1.07	2.85	1.53	4.65		
150		0.80	1.75	0.92	2.35	1.33	3.85	1.83	5.75
180		0.80	1.75	0.80	1.75	1.11	3.05	1.53	4.60
200		0.80	1.75	0.80	1.75	1.00	2.65	1.37	4.05



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MaxTen™ Fiber Reinforcement Conversion Table - Welded Wire Fabric									
		Recommended Application Rates							
		6 in. x 6 in.							
		W 1.4	W2	W2.9	W4				
		10/10	8/8	6/6	4/4				
		0.028	0.040	0.058	0.080				
		A _s (in. ² /ft.)							
Slab Thickness (in.)	Wire Gauge	f _{e3} (psi)	MaxTen MT 225 w _f (lb/yd ³)	f _{e3} (psi)	MaxTen MT 225 w _f (lb/yd ³)	f _{e3} (psi)	MaxTen MT 225 w _f (lb/yd ³)	f _{e3} (psi)	MaxTen MT 225 w _f (lb/yd ³)
4.00		131	3.0	133	3.5	193	6.0	265	9.1
5.00		131	3.0	131	3.0	148	4.1	205	6.5
6.00		131	3.0	131	3.0	131	3.4	177	5.3
7.00		131	3.0	131	3.0	131	3.4	148	4.0
8.00		131	3.0	131	3.0	131	3.4	133	3.5

MaxTen™ Fiber Reinforcement Conversion Table - Welded Wire Fabric									
		Recommended Application Rates							
		4 in. x 4 in.							
		W 1.4	W2	W2.9	W4				
		10/10	8/8	6/6	4/4				
		0.042	0.060	0.087	0.120				
		A _s (in. ² /ft.)							
Slab Thickness (in.)	Wire Gauge	f _{e3} (psi)	MaxTen MT 225 w _f (lb/yd ³)	f _{e3} (psi)	MaxTen MT 225 w _f (lb/yd ³)	f _{e3} (psi)	MaxTen MT 225 w _f (lb/yd ³)	f _{e3} (psi)	MaxTen MT 225 w _f (lb/yd ³)
4.00		139	3.7	199	6.3	289	10.1		
5.00		131	3.0	155	4.3	222	7.2	305	11.0
6.00		131	3.0	133	3.5	193	6.0	265	9.1
7.00		131	3.0	131	3.0	161	4.6	222	7.2
8.00		131	3.0	131	3.0	145	4.0	199	6.3



Slab-on-Grade Floor Construction

MaxTen™ Fiber Reinforcement Conversion Table - Welded Wire Fabric Recommended Application Rates $f'_c = 30$ MPa									
		150 mm x 150 mm							
Wire Gauge		W 1.4	W2		W2.9		W4		
A _s (mm ² /m)		10/10	8/8		6/6		4/4		
		59.3	84.7		122.8		169.3		
Slab Thickness (mm)		f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)
100		0.90	1.75	0.92	2.05	1.33	3.55	1.83	5.40
130		0.90	1.75	0.90	1.75	1.02	2.45	1.41	3.85
150		0.90	1.75	0.90	1.75	0.90	1.75	1.22	3.15
180		0.90	1.75	0.90	1.75	0.90	1.75	1.02	2.40
200		0.90	1.75	0.90	1.75	0.90	1.75	0.92	2.05

MaxTen™ Fiber Reinforcement Conversion Table - Welded Wire Fabric Recommended Application Rates $f'_c = 30$ MPa									
		100 mm x 100 mm							
Wire Gauge		W 1.4	W2		W2.9		W4		
A _s (mm ² /m)		10/10	8/8		6/6		4/4		
		88.9	127.0		184.2		254.0		
Slab Thickness (in.)		f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)
100		0.96	2.20	1.37	3.75	1.99	6.00		
130		0.90	1.75	1.07	2.55	1.53	4.30	2.10	6.50
150		0.90	1.75	0.92	2.05	1.33	3.55	1.83	5.40
180		0.90	1.75	0.90	1.75	1.11	2.75	1.53	4.30
200		0.90	1.75	0.90	1.75	1.00	2.35	1.37	3.75



Slab-on-Grade Floor Construction

MaxTen™ Fiber Reinforcement Conversion Table - Welded Wire Fabric									
		Recommended Application Rates							
		6 in. x 6 in.							
		W 1.4	W2	W2.9	W4				
		10/10	8/8	6/6	4/4				
		0.028	0.040	0.058	0.080				
		A _s (in. ² /ft.)							
Slab Thickness (in.)	Wire Gauge	f _{e3} (psi)	MaxTen MT 225 w _f (lb/yd ³)	f _{e3} (psi)	MaxTen MT 225 w _f (lb/yd ³)	f _{e3} (psi)	MaxTen MT 225 w _f (lb/yd ³)	f _{e3} (psi)	MaxTen MT 225 w _f (lb/yd ³)
4.00		150	3.0	150	3.0	193	5.0	265	8.1
5.00		150	3.0	150	3.0	150	3.0	205	5.5
6.00		150	3.0	150	3.0	150	3.0	177	4.3
7.00		150	3.0	150	3.0	150	3.0	150	3.0
8.00		150	3.0	150	3.0	150	3.0	150	3.0

MaxTen™ Fiber Reinforcement Conversion Table - Welded Wire Fabric									
		Recommended Application Rates							
		4 in. x 4 in.							
		W 1.4	W2	W2.9	W4				
		10/10	8/8	6/6	4/4				
		0.042	0.060	0.087	0.120				
		A _s (in. ² /ft.)							
Slab Thickness (in.)	Wire Gauge	f _{e3} (psi)	MaxTen MT 225 w _f (lb/yd ³)	f _{e3} (psi)	MaxTen MT 225 w _f (lb/yd ³)	f _{e3} (psi)	MaxTen MT 225 w _f (lb/yd ³)	f _{e3} (psi)	MaxTen MT 225 w _f (lb/yd ³)
4.00		150	3.0	199	5.2	289	9.1		
5.00		150	3.0	154	3.8	222	6.2	306	9.9
6.00		150	3.0	150	3.0	193	5.0	265	8.1
7.00		150	3.0	150	3.0	161	3.5	220	6.2
8.00		150	3.0	150	3.0	150	3.0	199	5.2



Slab-on-Grade Floor Construction

MaxTen™ Fiber Reinforcement Conversion Table - Welded Wire Fabric Recommended Application Rates $f'_c = 40$ MPa									
		150 mm x 150 mm							
Wire Gauge		W 1.4	W2		W2.9		W4		
A _s (mm ² /m)		10/10	8/8	6/6	4/4				
		59.3	84.7	122.8	169.3				
Slab Thickness (mm)		f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)
100		1.05	1.75	1.05	1.75	1.33	2.95	1.83	4.80
130		1.05	1.75	1.05	1.75	1.05	1.75	1.41	3.25
150		1.05	1.75	1.05□	1.75	1.05	1.75	1.22	2.55
180		1.05	1.75	1.05	1.75	1.05	1.75	1.05	1.75
200		1.05	1.75	1.05	1.75	1.05	1.75	1.05	1.75

MaxTen™ Fiber Reinforcement Conversion Table - Welded Wire Fabric Recommended Application Rates $f'_c = 40$ MPa									
		100 mm x 100 mm							
Wire Gauge		W 1.4	W2		W2.9		W4		
A _s (mm ² /m)		10/10	8/8	6/6	4/4				
		88.9	127.0	184.2	254.0				
Slab Thickness (in.)		f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)	f_{e3} (MPa)	MaxTen MT 225 w_f (kg/m ³)
100		1.05	1.75	1.37	3.10	1.99	5.40		
130		1.05	1.75	1.06	1.95	1.53	3.70	2.10	5.85
150		1.05	1.75	1.05	1.75	1.33	2.95	1.83	4.80
180		1.05	1.75	1.05	1.75	1.11	2.10	1.53	3.70
200		1.05	1.75	1.05	1.75	1.05	1.75	1.37	3.10

