

Reinforcement

Keyline offers a full range of standard fabric and bar reinforcement products from stock.

Keyline also offers a complete offsite reinforcement prefabrication service that produces finished cage assemblies for delivery and placing directly in position on site. The prefabrication units are designed by the ROM Engineering Department in liaison with the structural engineer/contractor for the project.



Standard Fabric Reinforcements

Standard Sizes (4800 x 2400)

BS Ref	Mesh Size		Wire Sizes		Cross Sectional Area Per		Nominal Weight Per m ² kg	Sheets Per T Approx	Sheet Weight kg	Sheets Per Bundle	m ² Per T	Keyline Code
	Nominal Pitch of Wires		Main mm	Cross mm	Metre Width							
	Main mm	Cross mm			Main mm ²	Cross mm ²						
Square												
A 393	200	200	10	10	393	393	6.16	15	70.96	18	162.34	844454
A 252	200	200	8	8	252	252	3.95	22	45.50	28	253.16	750950
A 193	200	200	7	7	193	193	3.02	29	34.79	34	331.13	781237
A 142	200	200	6	6	142	142	2.22	40	25.57	46	450.45	780367
Structural												
B 1131	100	200	12	8	1131	252	10.90	8	125.57	10	91.74	991323
B 785	100	200	10	8	785	252	8.14	11	93.57	14	122.85	780664
B 503	100	200	8	8	503	252	5.93	15	68.31	18	168.63	857107
B 385	100	200	7	7	385	193	4.53	20	52.19	24	220.75	964317
B 283	100	200	6	7	283	193	3.73	24	42.97	30	268.10	-

Standard Fabric Reinforcements cont.

Standard Sizes (4800 x 2400)

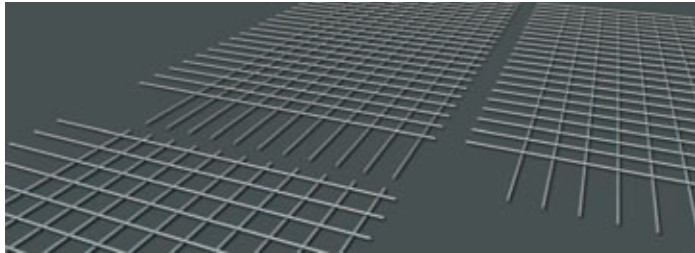
BS Ref	Mesh Size Nominal Pitch of Wires		Wire Sizes		Cross Sectional Area Per Metre Width		Nominal Weight Per m ² kg	Sheets Per T Approx	Sheet Weight kg	Sheets Per Bundle	m ² Per T	Keyline Code
	Main mm	Cross mm	Main mm	Cross mm	Main mm ²	Cross mm ²						
Long												
C 785	100	400	10	6	785	70.8	6.72	13	77.41	16	148.81	-
C 503	100	400	8	5	503	49.0	4.34	20	50.00	26	230.41	-
C 385	100	400	7	5	385	49.0	3.41	26	39.28	30	293.26	492076
C 283	100	400	6	5	283	49.0	2.61	34	30.07	32	383.14	924392
Wrapping												
D 49	100	100	2.5	2.5	49.1	49.1	0.77	129	7.76	50	1298.70	780368
Merchant Sizes (3600 x 2000)												
A 393M	200	200	10	10	393	393	6.16	23	44.35	20	162.34	864555
A 252M	200	200	8	8	252	252	3.95	35	28.44	30	253.16	864354
A 193M	200	200	7	7	193	193	3.02	46	21.74	50	331.13	817013
A 142M	200	200	6	6	142	142	2.22	63	15.98	50	450.45	780366
B 785M	100	200	10	8	785	252	8.14	17	58.61	20	122.85	899003

Flying End Fabric

Minimises the congestion of reinforcement at lap positions caused by the build up of layers in mass pour slab construction.

Flying end fabric is particularly beneficial:

- Where standard fabric is specified as a structural reinforcement
- In thin topping slabs on permanent metal and pre cast decking



Flying End Fabric

Fabric Type	Fabric Type
A393	B1131
A252	B785
A193	B503
A142	B385

All with splices to enable minimum lapping 40 x bar diameter

Standard Fabric Congestion at Laps ✗



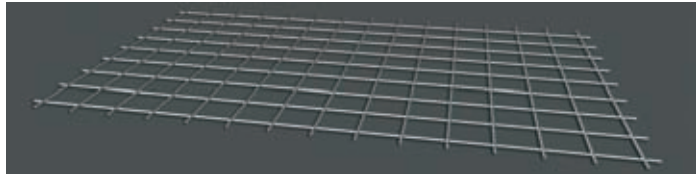
Flying End Fabrics Nested Lap ✓



Readyfit Fabric

Manufactured to the best length and width to suit bay layout and pour sequence. Economical in long strip slab construction minimising wastage and cutting on site.

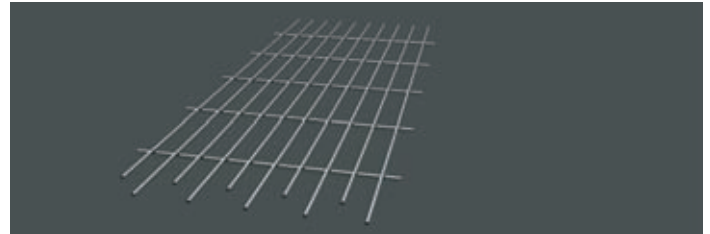
- Length and width made to suit your exact needs
- Beneficial in repetitive pre-cast applications
- Economical in slab long strip construction
- Manufactured with flying ends if required
- Reverse 'B' type fabrics also available (i.e. cross wires @ 100crs & long wires @ 200crs)
- Technical support available



Kwikfix Fabric

Fast and cost effective method of placing reinforcement in one way and two way spanning mats.

- No craneage for final placement
- Man-handleable sheets
- Very little tying required
- Accurate location of bars
- Fabric detailing service



Hi Tensile Bar Reinforcements

Bar Dimensions/Weights		
Nominal Size mm	Cross-Sectional Area mm ²	Mass kg/m
50*	1963.5	15.413
40	1256.6	9.864
32	804.2	6.313
25	490.0	3.854
20	314.2	2.466
16	201.1	1.579
12	113.1	0.888
10	78.5	0.616
8	50.3	0.395
6**	28.3	0.222

*By agreement **Mild steel only

Available in 3m and 6m lengths.

Reinforcement Accessories

Description	Size mm	Pack Size	Keyline Code
Ring Spacers	90	Each	717895
	105	Each	932464
	135	Each	717896
Meshmen	40/50	100	923487
Double Cover Spacers	40/50	200	924715
Dowel Bars	12 x 900	Each	898303
Dowel Sleeves	12 x 450	100	717897
Description	Weight kg	Pack size	Keyline Code
Tying Wire	2	Coil	897548
	20	Coil	652849

Prefabrication Service

Keyline offers a complete offsite reinforcement prefabrication service that produces finished cage or mat assemblies delivered, ready for placing in position on site.

The prefabricated units are designed by ROM in conjunction with the customer to ensure compatibility on site. Assemblies can be Mig welded or wire tied with additional reinforcement if required to ensure that the integrity of the assembly is maintained during transportation and placing on site.

Key Benefits

- Removes steel fixing from the critical path
- Continuity of manufacture regardless of weather conditions
- Costly site fixing becomes cost effective placing of prefabricated units
- Improved safety from reductions in movement of loose bar
- Assemblies supplied with labels and location plan for ease of identification

Beamform - the revolutionary formwork solution.

Manufactured in one metre lengths from heavy duty, flame retardant polystyrene, this versatile product offers quick and easy installation.

Beamform

A simple formwork solution for concrete ground beams & pile caps.

- Ideally suited for use with prefabricated beam cages
- Reinforcement cages placed prior to Beamform
- Lightweight easily positioned by one man
- No specialist equipment required
- Safe to handle
- Easy to estimate quantities
- Available off the shelf

