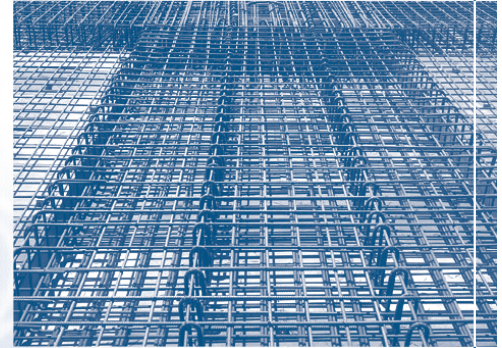


REINFORCING MESH



STANDARD SIZES OF WELDED MESH FABRIC

Specifications: Sheets: 6m x 2,4m or Rolls: 60m x 2,4m

Based on SABS 1024/2006 specifications for welded steel fabric for concrete reinforcement.

			SHEETS ONLY							SHEETS OR ROLLS						SHEETS ONLY										SHEETS OR ROLLS			
MR Reference No			888	746	617	500	395	311	245	193	100	156	200	1085	943	772	655	517	433	341	289	278	226	133					
Mesh Size	Nominal pitch of Wires	Main mm	200	200	200	200	200	200	200	200	200	100	100	100	100	100	100	100	100	100	100	100	100	100					
		Cross mm	200	200	200	200	200	200	200	200	200	200	100	100	200	200	200	200	200	200	200	300	300	300					
Wire Sizes		Main mm	12,0	11,0	10,0	9,0	8,0	7,1	6,3	5,6	4,0	3,55	4,0	12,0	11,0	10,0	9,0	8,0	7,1	6,3	5,6	6,3	5,6	4,0					
		Cross mm	12,0	11,0	10,0	9,0	8,0	7,1	6,3	5,6	4,0	3,55	4,0	8,0	8,0	7,1	7,1	6,3	6,3	5,6	5,6	4,0	4,0	4,0					
Cross Sectional Area per Metre Width		Main mm ²	566	475	393	318	251	198	156	123	63	99	126	1131	951	786	636	503	396	312	246	312	246	126					
		Cross mm ²	566	475	393	318	251	198	156	123	63	99	126	251	251	198	198	156	156	123	123	42	42	42					
Nominal Mass per m ²		Kg	8,88	7,46	6,17	5,00	3,95	3,11	2,45	1,93	1,00	1,56	2,00	10,85	9,43	7,72	6,55	5,17	4,33	3,41	2,89	2,78	2,26	1,33					
			SQUARE										GUNITE		STRUCTURAL										LONGITUDINAL				

The MR reference number is the nominal mass in kilograms per square metre multiplied by 100.

The sizes given above are standard and are the most generally used. Mesh to other specifications, both in size of wires and spacing is available on request.

Hard drawn wire to British standards 4482 has a minimum breaking strength of 510Mpa and a minimum yield point of 485Mpa.

FEATURES

- The unique deformed wire pattern (curry pattern) offers superior bonding, improved stress distribution and crack-width control
- Manufactured from hard drawn wire (smooth) and cold rolled wire (deformed)
- All intersections are resistant-welded thereby not reducing the tensile strength of the wires
- Mesh has an average shear strength equal to 80% of the wire strength
- The wire used has physical properties which are rigidly controlled to produce mesh with maximum weld strength combined with ductility
- The steel specifications allow for cold rolled wire with a minimum ultimate tensile strength of 510Mpa and a high resistance to fatigue
- Mesh is available in black (pre-galvanised) and galvanised sheets or rolls
- Also available on request: plastic coated and hot dipped (galvanised) mesh

DESIGN SPECIFICATIONS FOR SPECIAL MESH

Mass at various spacing kg/m²

WIRE SIZE	MASS Kg/m	Spacing of wires mm										
		50	75	100	125	150	175	200	225	250	275	300
12,0	0,888	17,76	11,84	8,88	7,10	5,92	5,07	4,44	3,94	3,55	3,23	2,96
11,0	0,746	14,92	9,95	7,46	5,97	4,97	4,26	3,73	3,32	2,98	2,71	2,49
10,0	0,617	12,33	8,23	6,17	4,94	4,11	3,53	3,09	2,74	2,46	2,24	2,06
9,0	0,499	9,99	6,66	4,99	3,99	3,33	2,85	2,50	2,22	2,00	1,81	1,66
8,0	0,395	7,90	5,26	3,95	3,16	2,63	2,26	1,97	1,75	1,58	1,44	1,32
7,1	0,311	6,22	4,14	3,11	2,49	2,07	1,78	1,55	1,38	1,24	1,13	1,04
6,3	0,245	4,90	3,27	2,45	1,96	1,63	1,40	1,22	1,09	0,98	0,89	0,82
5,6	0,193	3,87	2,58	1,93	1,55	1,29	1,11	0,97	0,86	0,78	0,71	0,64
4,0	0,099	1,98	1,32	0,99	0,79	0,66	0,57	0,50	0,44	0,40	0,36	0,33

