

# TECHNICAL SPECIFICATION: MESH ITALY



## Description of the product

Welded mesh made from high-ductility hot-rolled welding steel class B450C. Suitable for use in seismic areas. Produced in standard formats.

## Range of dimensions – Packaging

### WELDED MESH ACCORDING TO ITALIAN MINISTERIAL DECREE 17/01/2018 B450C - B450A

FORMAT: 2250 X 4000 mm														Load information				
Type	Wire Ø mm		Mesh mm		Cross-section mm <sup>2</sup> /m		Sheet mm		No. of sheets per pack	Pack height mm	Wire projection mm		Sheet weight		No. of sheets			Total weight kg
	Long.	Transv.	Long.	Transv.	Long.	Transv.	Width	Length			Long.	Transv.	Total kg	kg/m <sup>2</sup>	Pack	Hold	Load	
510/2	5	5	100	100	196	196	2250	4000	50	270	50	25	28,03	3,11	50	500	1000	28020
515/2	5	5	150	150	131	131	2250	4000	100	530	50	75	18,60	2,07	100	500	1500	27900
520/2	5	5	200	200	98	98	2250	4000	100	530	100	25	14,32	1,59	100	500	1500	21480
610/2 AD	6	6	100	100	283	283	2250	4000	50	320	50	25	40,40	4,49	50	400	700	28280
615/2 AD	6	6	150	150	189	189	2250	4000	50	320	50	75	26,80	2,98	50	400	1100	29480
620/2 AD	6	6	200	200	142	142	2250	4000	50	320	100	25	20,64	2,29	50	400	1200	24768
810/2 AD	8	8	100	100	502	502	2250	4000	25	220	50	25	71,80	7,98	25	300	400	28720
815/2 AD	8	8	150	150	335	335	2250	4000	30	280	50	75	47,69	5,30	30	300	600	28614
820/2 AD	8	8	200	200	252	252	2250	4000	50	440	100	25	36,70	4,08	50	300	800	29360
1015/2AD	10	10	150	150	524	524	2250	4000	20	220	50	75	74,5	8,28	20	220	400	29800
1020/2AD	10	10	200	200	393	393	2250	4000	25	270	100	25	57,38	6,37	25	225	500	28692
1220/2AD	12	12	200	200	565	565	2250	4000	25	320	100	25	82,58	9,18	25	200	350	28903
FORMAT: 2000 X 3000 mm																		
510/1	5	5	100	100	196	196	2000	3000	100	530	50	50	18,48	3,08	100	500	1600	29568
515/1	5	5	150	150	131	131	2000	3000	100	530	75	25	12,62	2,10	100	500	2000	25240
520/1	5	5	200	200	98	98	2000	3000	100	530	100	100	9,24	1,54	100	500	2000	18480
610/1 AD	6	6	100	100	283	283	2000	3000	50	320	50	50	26,60	4,43	50	400	1100	29260
615/1 AD	6	6	150	150	189	189	2000	3000	50	320	75	25	18,20	3,03	50	400	1600	29120
620/1 AD	6	6	200	200	142	142	2000	3000	50	320	100	100	13,32	2,22	50	400	1600	21312
810/1 AD	8	8	100	100	502	502	2000	3000	25	220	50	50	47,38	7,90	25	300	600	28428
815/1 AD	8	8	150	150	335	335	2000	3000	50	440	75	25	32,35	5,37	50	300	900	29025
820/1 AD	8	8	200	200	252	252	2000	3000	50	440	100	100	23,67	3,95	50	300	1200	28404
1015/1AD	10	10	150	150	524	524	2000	3000	25	270	75	25	50,59	8,43	25	225	600	30354
1020/1AD	10	10	200	200	393	393	2000	3000	25	270	100	100	36,98	6,17	25	225	800	29616
1220/1AD	12	12	200	200	565	565	2.000	3.000	25	320	100	100	53,28	8,88	25	200	5,50	29.304

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### Labelling

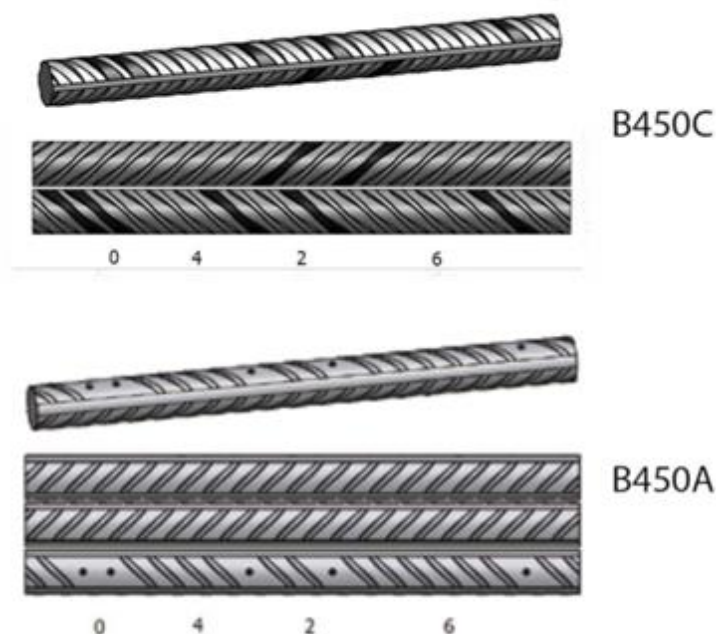
Each pack is identified with a metal or paper plastic label containing the following information:

- Company logo
- Lot number
- Diameter
- Steel grade
- Production date
- Standards references
- Certification logos
- QR Code

### Certifications

Each delivery is accompanied by the certificate 3.1 (standard UNI EN 10204)

### RIBS GEOMETRY AND ROLLING MARKING



MESH TYPE CODING				
	<table border="1"> <thead> <tr> <th>Sheet format</th> </tr> </thead> <tbody> <tr> <td>1 = m 2.00 x 3.00</td> </tr> <tr> <td>2 = m 2.25 x 4.00</td> </tr> </tbody> </table>	Sheet format	1 = m 2.00 x 3.00	2 = m 2.25 x 4.00
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### CONFORMITY TO STANDARDS

Country	Standard	Grade	Certifications
ITALY	D.M. 17/01/2018	<b>B 450 C</b>	✓
ITALY	D.M. 17/01/2018	<b>B 450 A</b>	✓

### CHEMICAL COMPOSITION

C % max	P % max	S % max	Cu % max	N % max	Ceq. Max
0.22	0.050	0.050	0.80	0.012	0.50
(0.24)	(0.055)	(0.055)	(0.85)	(0.014)	(0.52)

The figures in brackets refer to product analysis

### MECHANICAL PROPERTIES

Standard	Grade	Re N/mm <sup>2</sup>	Rm N/mm <sup>2</sup>	Rm/Re	Rm/Re nom.	Agt %
D.M. 17/01/2018	<b>B 450 C</b>	≥ 450	≥ 540	≥ 1.15 ≤ 1.35	≤ 1.25	≥ 7.5
D.M. 17/01/2018	<b>B 450 A</b>	≥ 450	≥ 540	≥ 1.05	≤ 1.25	≥ 2.5