



**IB BETAFENCE**  
INDUSTRY



# Weldmesh™ Product Overview

**A range of standard panels  
in self colour (copper  
washed) or galvanised wire  
for immediate delivery to the  
industrial user.**

## **Weldmesh™**

### **BENEFITS**

#### **Industrial Protection**

The use of Betafence Weldmesh™ Heavy in industrial environments is constantly increasing, particularly in the areas of safety, security, storage and for building and construction. The diameter of the wire can be as large as 6mm and is supplied in a standard range of panels. It is easy to work with and is easily combined with other materials. This makes Weldmesh™ multifunctional and can be used in all types of applications.

#### **Solutions**

Betafence Weldmesh™ Heavy is easy to work with and is easily combined with other materials. Weldmesh™ is multifunctional and can be used in conjunction with wood, angle iron, slotted or punched angle and steel tube. The use of Weldmesh™ in industrial applications is extensive and joint development programs with end users and specifiers are frequently undertaken. From concept to design, Betafence can guide you towards the right Weldmesh™, ready to integrate within your chosen product or application. Betafence technical experts are at hand for co-development.

#### **Benefits**

- Inherent strength
- Forms its own selvedge when cut
- Quality assurance (EN ISO 9001: 2000)
- Confidence throughout use
- Comprehensive range of mesh configurations
- Minimum waste
- Widely available
- Options on finish

## **Applications**

Machine Guards  
Stairways and balustrades and walkways  
Scaffold guards and safety barriers  
Filters  
Window guards and grills  
Cages and aviaries  
Poultry and pig floors  
Shelving, racking and partitioning  
Rock fall protection



### All Welded Construction

Weldmesh™ benefits from superior welding technology. The horizontal and vertical wires are electrically welded at each intersection to give maximum rigidity and strength.

### Coatings

Manufactured from bright drawn mild steel wire, the following coatings are possible. **Self colour** (copper washed), **pre-galvanised**, and **galvanised** after manufacture. Weldmesh™ from stainless steel is available by application for specialist applications.

#### Self Colour Weldmesh™

Self colour Weldmesh™ is supplied with a copper washed finish. However, on bulk orders, it is possible to have bright drawn mild steel without the coppered finish.

#### Galvanised Weldmesh™

Galvanised Weldmesh™ is hot dip galvanised to the highest standards. Pre-galvanised Weldmesh™ (mesh made from galvanised wire) can also be produced upon request.

### Panels and Rolls

Manufactured in a standard range of roll and panel options. For other sizes a cut to size service is available.

### Wire Diameters

Weldmesh™ is produced from wire as fine as 0.55mm or as heavy as 6mm.

### Mesh

Weldmesh™ is produced with apertures as small as 6 x 6mm or as large as 100 x 100mm.

### Quality

Weldmesh™ products are manufactured in an environment covered by EN ISO 9001:2000 and our material content, quality and coatings are consistently delivered to exacting specifications. Factory procedures at Sheffield also conform to environmental standard BS EN ISO 14001: 1996. Weldmesh™ is the very best in Strength, Versatility, High Performance and Quality.

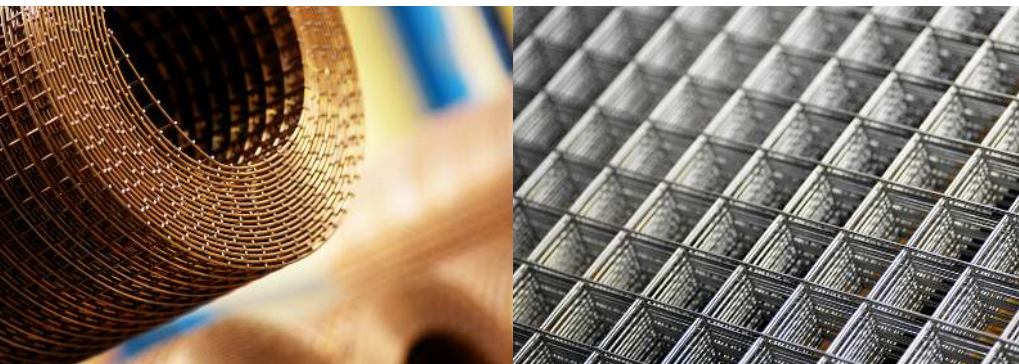
### Non-standard

Betafence Weldmesh™ offers a bespoke cut to size (CTS) or made to order (MTO) service if its standard range does not meet with your requirements.

## SELF COLOUR and GALVANISED finishes

These sizes are standard available ex-stock. Galvanising after manufacture adds approximately 7% to weights below

Specification	Standard panels with flush edges					60ft rolls with flush edges		
	4' x 8' kg	6' x 12' kg	6' x 4' kg	6' x 3' kg	7' x 12' kg	84" kg	72" kg	48" kg
2" x 2" x 6g	16.35	36.42	12.31	9.29	42.41	211.0	181.2	121.6
3" x 3" x 6g	11.07	24.54	8.35	6.32	28.5	141.6	121.7	82.0
3" x 6" x 6g	8.43	18.59	6.36	4.83	21.6	106.9	92.0	62.1
1" x 1" x 8g	22.74	-	-	-	-	-	-	-
2" x 1" x 8g	17.13	38.29	12.87	9.71	44.63	222.4	190.8	127.8
2" x 2" x 8g	11.54	25.69	8.68	6.56	29.94	148.9	127.9	85.8
3" x ½" x 8g	26.47	59.3	19.88	14.96	69.12	344.8	295.8	197.8
3" x 3" x 8g	7.81	17.32	5.88	4.46	20.15	99.9	85.9	57.8
1" x 1" x 10g	13.17	29.5	9.89	7.44	34.39	172.2	147.6	98.4
1½" x 1½" x 10g	8.85	-	-	-	-	-	-	-
2" x 1" x 10g	9.93	22.2	7.46	5.62	25.87	130.2	111.6	74.4
2" x 2" x 10g	6.69	14.9	5.03	3.79	17.35	88.2	75.6	50.4
3" x ½" x 10g	15.34	34.47	11.51	8.66	40.6	201.6	172.8	115.2
3" x 1" x 10g	8.85	19.76	6.65	5.01	23.5	117.6	100.8	67.2
3" x 3" x 10g	4.53	10.03	3.41	2.58	11.67	58.8	50.4	33.6
4" x 4" x 10g	3.44	-	-	-	-	-	-	-
1" x 1" x 12g	8.73	19.53	6.56	4.93	22.77	113.5	97.3	65.1
2" x 1" x 12g	6.58	14.7	4.94	3.72	17.12	85.3	73.2	49.0
2" x 2" x 12g	4.43	9.86	3.33	2.52	11.49	57.1	49.0	32.9
3" x ½" x 12g	10.16	22.76	7.63	5.74	26.51	132.2	113.4	75.9
3" x 1" x 12g	5.86	13.09	4.41	3.32	15.24	75.9	65.1	43.7





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