

# TECHNICAL / QUALITY SPECIFICATION SHEET

## WELDED MESH PRODUCT SPECIFICATION SHEET

### PRODUCT DESCRIPTION:

- Welded Mesh Self Colour Panels

### TECHNICAL DATA:

**Material:** Low Carbon mild steel, conforming to BS EN 10016-1 Grade C9D.

Chemical Composition	
Element	%
C	0.10 max
Si	0.30 max
Mn	0.60 max
P	0.035 max
S	0.035 max

### Wire Properties:

Wire Size (mm)	Wire Tensile Strength (N/mm <sup>2</sup> )
12g (2.44 nominal)	Typical Range: 650/850
10g (3.00 nominal)	Typical Range: 600/800
8g (3.88 nominal)	Typical Range: 550/750
6g (4.69 nominal)	Typical Range: 500/700

### Product Dimensions:

Aperture Size (mm)	Length / Width (mm)	Squareness (mm)	Weld Shear Strength
Full tolerance: Mesh size <50: +/-2mm Mesh size 50 to <200mm: +/-3mm Mesh size 200mm & above: +/-4mm	+/- 3mm on 2 ft or less +/-1.5mm added per extra ft mesh	<b>Difference in diagonals, dependent on panel / mesh size:</b> Guideline: 12"x 12" =3mm max 24"x 24" =3mm max 36"x 36" =3mm max 42"x 42" =4mm max 48"x 48" =5mm max 72"x 72" =7mm max 84"x 84" =8mm max	Average 75% of lowest base wire tensile strength

### NOTE:

- All dimensional aspects meet or exceed the requirements of BS EN 10223-4: 1998.
- In most of the above parameters, tighter tolerances can be achievable dependent on the mesh size and style, but this must be by agreement before an order is placed.