



Weldmesh Flat



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INDUSTRY



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Weldmesh Flat panels are manufactured with built in rigidity, by welding wires flat on flat, flat on edge, or edge on edge. These three variations in wire orientation result in different panel strength characteristics.

General use

Weldmesh Flat offers an alternative material to those industries currently fabricating products from expanded, perforated, pressed or woven metals, offering a range of benefits which are unsurpassed by any of these materials. The idea came from trying to find an answer to how mesh could be produced to combine lightness with strength. Testing of potential products showed that the bending moment of a flat wire on edge is significantly greater than that of a round wire, giving Weldmesh Flat a much higher strength to a weight ratio than round wire mesh, offering a much wider range of uses for welded mesh.

Benefits

- High strength to weight ratio
- Many design possibilities
- Quality assurance (EN ISO 9001: 2000)
- Cost effective
- Greater see-through for given panel strength

Applications

The following possibilities, which currently use materials over which Weldmesh Flat has significant benefits, have already been identified, but there are many more across a diverse range of industries:

- Machine guards
- Roll containers
- Shelving/racking
- Pallets/stillages
- Balustrading
- Display/merchandising equipment
- Cable trays
- Partitioning
- Walkways
- Drying tables
- Security cages
- Lockers
- Fencing
- Gates
- Window guards
- Trailer sides



Panel size: 1200 mm x 2400 mm
 Finish: Self Colour (bright wire)

Mesh x wire sizes

Panel weight

50 x 50 x 4/2 mm	7,24 kg
25 x 25 x 4/2 mm	14,25 kg
50 x 50 x 4,75/2,50 mm	10,74 kg
25 x 25 x 4,75/2,50 mm	21,16 kg
50 x 50 x 5/3 mm	13,57 kg
25 x 25 x 5/3 mm	26,73 kg
50 x 50 x 6/3 mm	16,28 kg
25 x 25 x 6/3 mm	32,07 kg