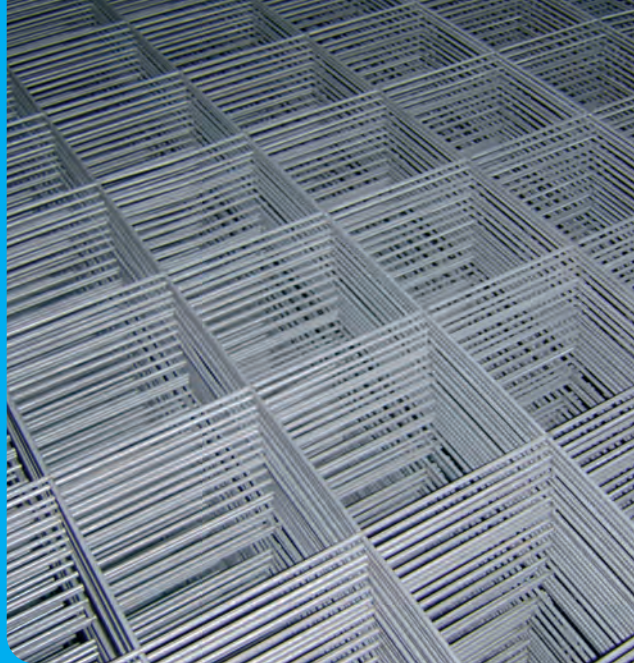


TSL

Plain welded wire mesh FL 500 made of drawn wire for anti-cracking and pavements of small loads (house floor, veranda...) and precast concrete elements.



Applied standards:

The product is in accordance with:

- Tunisian standard NT 26.135 and NT 26.136 (ISO 10544 and ISO 6935-3).

Characteristics of the wire used in the plain welded wire mesh:

Manufacturing:

The wire is cold drawn from rods that have been hot rolled from billets.

Chemical composition:

It is a low carbon weldable steel wire.

Carbon	Sulphur	Phosphorus	Silicon	Magnesium	Nitrogen	Carbon equivalent
C ≤ 0,22 %	S ≤ 0,05 %	P ≤ 0,05 %	Si ≤ 0,60 %	Mn ≤ 1,60 %	N ≤ 0,012 %	*Ceq ≤ 0,50%

* $C_{eq} = C + Mn/6 + (Cr + V + Mo)/5 + (Cu + Ni)/15$

Mechanical characteristics:

Tensile strength	Yield strength	Elongation at max load	Ductility ratio	Bend test
Ts ≥ 550 MPa	Ys ≥ 500 MPa	Agt ≥ 2%	Ts/Ys ≥ 1,03	yes

- Linear weight tolerance: +/- 9%
- Out of round lower than 0,20mm

Characteristics of the plain welded wire mesh:

Manufacturing:

The wires are assembled by automatic machines which assure accurate spacing and alignment of all members of the finished fabric.

Longitudinal and transverse members are securely connected at every intersection by a process of electrical resistance welding which employs the principle of fusion combines with pressure.

Welding:

Weld shear test value greater than 150 MPa.

•Dimensions:

Mesh size tolerance	Overall length tolerance (centre to centre)	Overall width tolerance (centre to centre)
+/- 7,5% or +/-10mm	+/- 0,5% or +/-25mm	+/- 0,5% or +/-25mm

Overhang tolerance to be specified by the customer.

Product range (Diameter, mesh and weight)

Diameter	Mesh	Weight kg/m ²
3	150 x 300	0,55
3	150 x 150	0,75
4	200 x 200	0,99
4	150 x 300	0,98
4	150 x 150	1,32
4	100 x 100	1,98
5	200 x 200	1,54
5	150 x 150	2,06

Standard dimensions: 2,4 x 3m.

Other diameters (diameter of longitudinal wire different from the diameter of transverse wire), special mesh size and dimensions on request.

Packaging: in bundles of 40 to 100 sheets

