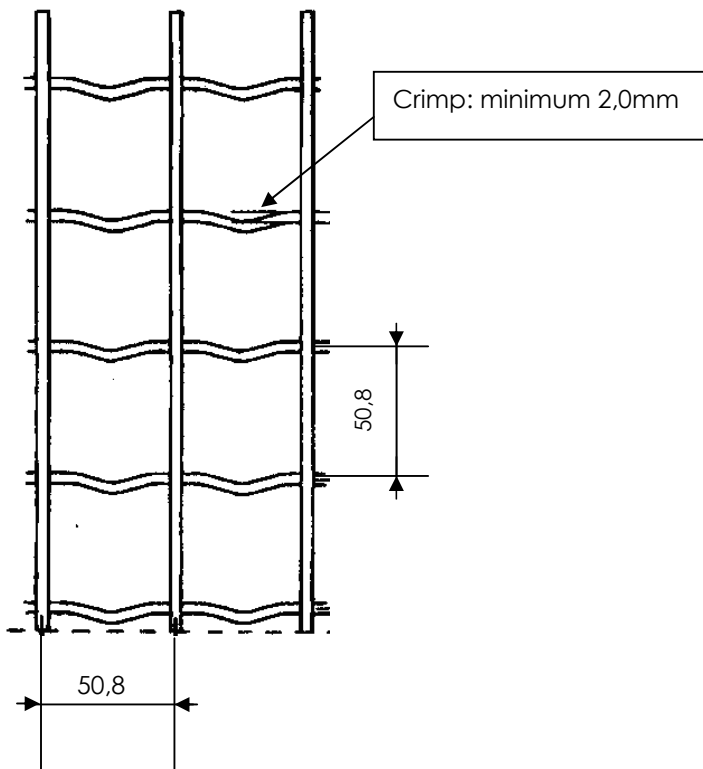


Fortinet® Super PVC**1 Scope**

Fortinet Super PVC is a square spot-welded mesh made of galvanized low-carbon steel wire and plastic-coated afterwards, in accordance with EN 10223-4.

The line wires are crimped in the middle of each mesh.

On one side the mesh is provided with a barb of about 25mm in the opposite direction of the crimp See fig. 1

**Figure 1**

Fortinet® Super PVC**1.1 Normative References**

- EN 10016-2: Non-alloy steel rod for drawing and/or for cold rolling
- EN 10218-2: Steel wire and wire products - General - Part 2: Wire dimensions and tolerances
- EN 10223-4: Steel wire and wire products for fences - Part 4: Steel wire welded mesh fencing
- EN 10244-2: Steel wire and wire products - Non-ferrous metallic coatings on steel wire - Part 2: Zinc or zinc-alloy coatings on steel wire
-

1.2 Definitions

- nominal wire diameter: the diameter in mm to designate the wire
- real wire diameter: the average value of the minimal and the maximal diameter, measured in the same section of a straight piece of wire, by means of a micrometer to 0,01mm
- mesh sizes: see fig 1
the meshes are measured from centre to centre of the wires.
- line wires: the wires running in the longitudinal direction of the mesh
- cross wires: the wires running in the traverse direction of the mesh

2 Raw material**2.1 Wire Rod**

See table 1.

Table 1: Chemical composition	
Element	%
C	≤ 0,10
Si	≤ 0,30
Mn	≤ 0,60
P	< 0,035
S	< 0,035

The chemical composition is in accordance with EN 10016-2. The designation of the wire rod is C9D.

Fortinet® Super PVC**2.2 Zinc**

Minimum 99,95% of pure zinc is used for galvanising.

2.3 PVC

Polyvinyl chloride, free of lead, cadmium and DOP.

Color: Betafence Green 6073.

3 Properties**3.1 Wire Diameters and Tolerances**

Galvanized core wire diameter: 3.00 mm \pm 0.12 mm

Plastic coated wire diameter: 3.50 mm \pm 0.20 mm.

3.2 Dimensions and tolerances

- Spacing of the line wires: 50.8 \pm 4 mm
- Spacing of the cross wires: 50.8 \pm 4 mm
- Number of meshes and height of the fabric: see table 2 for standard types.
- Tolerance on mesh height: \pm 5 mm.

Table 2: standard types Fortinet Super PVC

Nominal Height (mm)	Number of meshes	Roll length (m)	Roll Diameter (mm)	Roll Weight (kg)	Dimensions of the pallet (cm)
1500	29	25	450	85,4	154 x 240 x 90
1800	35	25	450	102,7	184 x 240 x 90
2010	39	25	450	114,2	205 x 240 x 90
2510	49	20	420	114,5	254 x 240 x 90

3.3 Tensile strength

- Line wires: 400-550 N/mm²
- Cross wires: 600-800 N/mm²

3.4 Weld shear strength

The average weld shear strength shall not be less than 75% of the breaking strength of the line wire.

3.5 Metallic Coating

Minimum 30 g/m² of wire surface for line and cross wires.

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CERTIFIED BY

: **Werner Frans**
Group Quality Department

Fortinet® Super PVC**4 Form of Delivery****4.1 Roll Length**

Nominal roll length is given in table 2.
Tolerance: +0,3 / -0 m.

4.2 Inside diameter of the roll

About 150 mm.

4.3 Outside diameter of the roll

See table 2.

4.4 Packaging

Rolls are packed on a four-way pallet in shrinkfoil.
9 rolls per pallet.
Dimensions of the pallet are given in table 2.