

Bekafor® Classic**1 General****1.1 Scope**

The Bekafor® Classic Panels are produced by electrical resistance welded galvanized wires and subsequently PVC-coated in accordance with EN 10223-7.

The vertical wires have a barb at one side of the panel.

The panel is reinforced by means of 2 or more V-shapes in the horizontal direction of the panel see Figure 1.

The V-shapes are bent after PVC Coating.

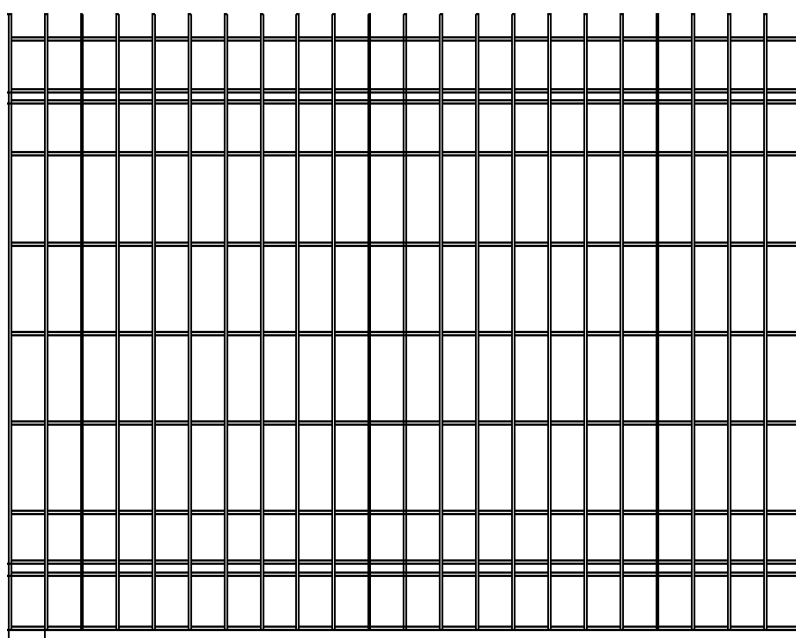


Figure 1: Section Bekafor Classic panel

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1.2 Normative references

- EN 10016-2: Non-alloy steel rod for drawing and/or cold rolling, Part 2: Specific requirements for general purposes rod.
- EN 10218-2: Steel wire and wire products – General, Part 2: Wire dimensions and tolerances.
- EN 10223-7: Steel wire and wire products for fences, Part 7: Steel wire welded panels for fencing.
- EN 10245-2: Steel wires and wire products / organic coatings on steel wire part 2: PVC finished wire
- Betafence drawing: see table 2.

1.3 Definitions

- Nominal wire diameter (d): 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 accurate to 0,01mm
- Mesh sizes : the distance measured between the centres of two neighbouring wires.

2 Raw Materials

2.1 Wire rod:

See table 1.

Element	%
C	≤ 0,10
Si	≤ 0,30
Mn	≤ 0,60
P	≤ 0,035
S	≤ 0,035

⁽¹⁾ In accordance with EN 10016-2 - C9D.

Bekafor® Classic**2.2 Zinc**

Minimum 99,95 % of pure zinc.

2.3 PVC

The PVC is free of lead, cadmium and DOP.

3 Requirements**3.1 Wire diameter and tolerances**

- Core diameter of the horizontal galvanized wires: $3,80 \pm 0,06$ mm.
 - Core diameter of the vertical galvanized wires: $3,30 \pm 0,05$ mm.
 - Diameter of PVC-coated horizontal galvanized wires: diameter: $4,50 \pm 0,20$ mm.
 - Diameter of PVC-coated vertical galvanized wires: $4,00 \pm 0,20$.mm
- The tolerances are in accordance with EN 10218-2.

3.2 Tensile strength of the wire

Vertical wires: 400 to 600N/mm²
Horizontal wires: 400 to 600 N/mm².

3.3 Mesh sizes and tolerances

Mesh spacing is measured between the centres of two neighbouring wires:

- Distance between the horizontal wires : $100 \pm 3,0$ mm,
- Distance between the vertical wires : $50 \pm 3,0$ mm.

The tolerances are in accordance with EN 10223-7.

3.4 Welding strength

The average weld shear strength of 4 welds taken at random shall not be less than 50% of the breaking strength of the vertical wire (in accordance with EN 10223-7).

3.5 Overhang

The overhang of the horizontal wires shall be not more than 2 mm, burrs shall be avoided.

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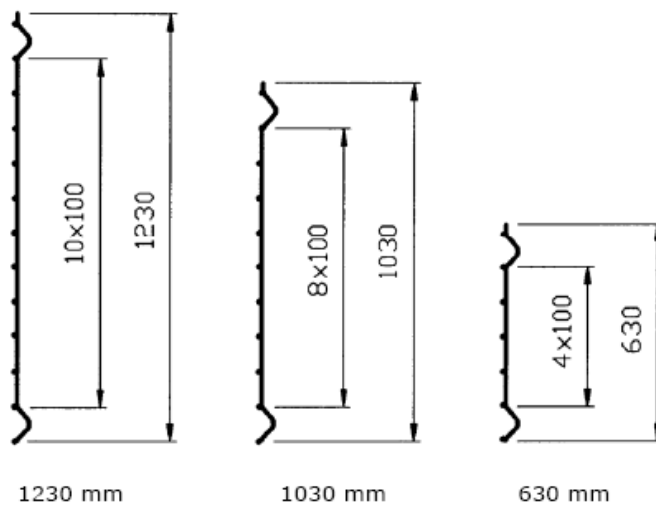
3.6 Panel

3.6.1 Dimensions of the panel

Width : 2000 ± 5,0 mm, measured between the centres of the vertical wires
Height: see table 2 and fig. 3.; tolerance ± 5,0 mm. (measured centre - centre)

Table 2: Dimensions of the panel

Overall height of the panel mm	Number of horizontal wires	Number of V-shapes	Betafence drawing
630	11	2	NYL50P001001
1030	15	2	NYL50P001002
1230	17	2	NYL50P001003
1530	22	3	NYL50P001004
1730	24	3	NYL50P001005
2030	29	4	NYL50P001006



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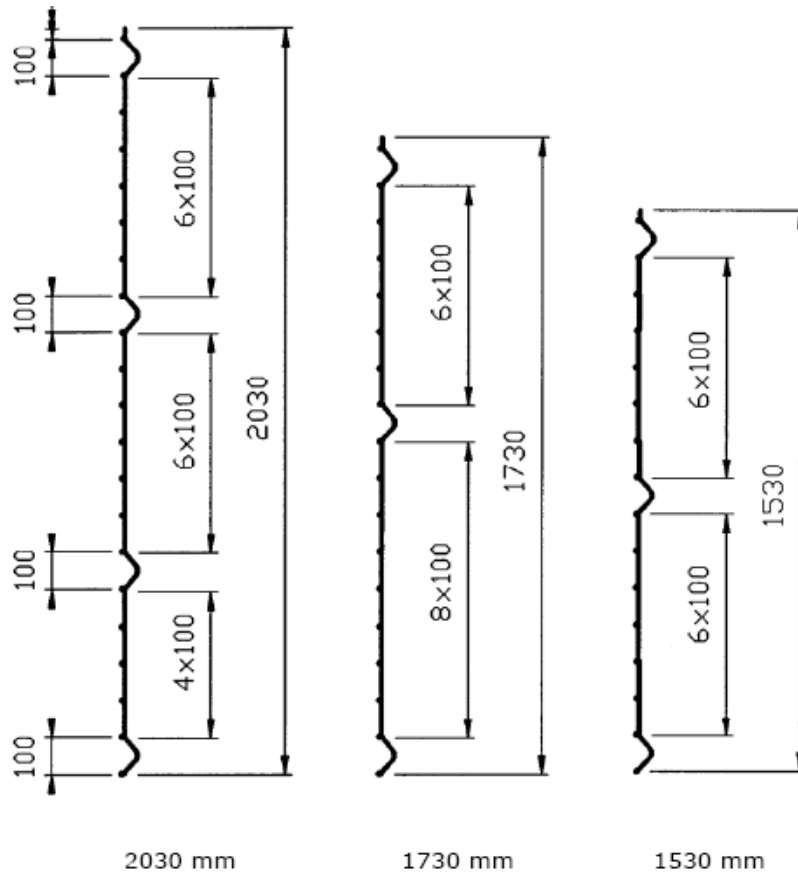


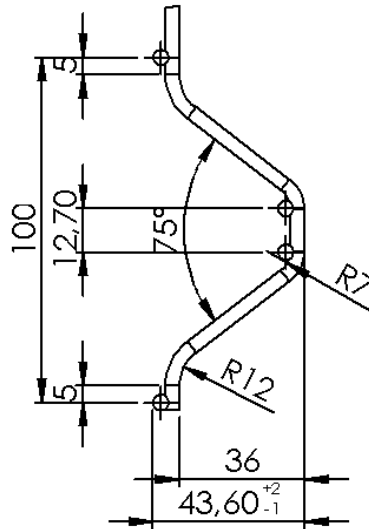
Figure 3

3.6.2 V-shapes in the vertical wires

Number of V-shapes: see table 2.

Dimension of the V-shapes: see fig. 4.

- spacing between the horizontal wires : $100 \pm 2,0$ mm,
- depth : $43,60 + 2,0$ mm/-1mm (see fig. 4)

Bekafor® Classic**Figure 4****3.6.3 Barbs**

The vertical wires have, at one side of the panel, a barb of 30 ± 2 mm measured from the underside of the upper horizontal wire.

3.7 Coating**3.7.1 Metallic coating**

The wires are galvanized and the min. zinc weight for the horizontal and vertical wires is 30 g/m^2 .

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3.7.2 PVC coating

The panels are after welding subsequently PVC coated and the layer has a minimum thickness of 200µm.

Colour: Green RAL 6005, metallic Anthracite BF 7016M or white RAL 9010, except height 2030 which is not available in white RAL 9010.

The PVC coating is fused and adhered to a primer that is cured onto the galvanized core wire, thus achieving an excellent bond between wire and PVC (in accordance with EN 10245 part2 class 2b).

4 Form of delivery

Panels are delivered on a four-way pallet.

Number of panels per pallet, weight and sizes: see table 3.

Panels are strapped and packed in water resistant foil to protect against damages.

A label is stuck on each side of the pallet stating SAP-code, mesh size, width, height and numbers of panels put on the pallet.

Table 3: Form of delivery and packing

Nominal dimensions of the panel cm	Number of panels per pallet	Weight of the panel kg	Sizes of the forwarding unit L x W x H cm
200 x 63	100	4,1	202 x 140 x 55
200 x 103	20	6,0	202 x 111 x 34
	50	6,0	202 x 111 x 52
200 x 123	20	7,0	202 x 135 x 34
	50	7,0	202 x 135 x 52
200 x 153	20	8,9	203 x 161 x 34
	50	8,9	203 x 161 x 52
200 x 173	50	9,9	205 x 182 x 52
200 x 203	50	11,8	215 x 215 x 55