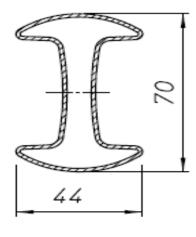


Technical Data Sheet TDS-05-04		
	Bekafix® Post	

1. Scope

The Bekafix[®] post is made out of Sendzimir strip by rollforming, and subsequently polyester coated. (see fig.1 and picture1)

Bekafix posts are used in combination with panels: Nylofor® 3D, Nylofor® 3-M, Nylofor Medium®, Nylofor® 2D, Nylofor® F, Nylofor® 3D Pro and metal fixator with security bolt. A section of the Bekafix® post is given in figure 1.







Picture 1

1.1. Normative references

EN 10025:Hot rolled products of non-structural steels - Technical delivery conditions

EN 10326: Continuously hot-dip coated strip and sheet of structural steels -

Technical delivery conditions

EN 10327: Continuously hot-dip coated strip and sheet of low carbon steels for cold forming -

Technical delivery conditions

EN 13438: Powder organic coatings for galvanised steel products for construction purposes.

Page: 1 / 5 CERTIFIED BY : Werner Frans

DATE: 07/04/2009 Group Quality Department

Replaces edition: 02/04/2009

The information and data given are typical for the product described. However technical changes are possible without any notice.



Technical Data Sheet TDS-05-04		
	Bekafix® Post	

2. Raw material

2.1. Base Steel

Chemical composition

Table 1 chemical composition		
Element	%	
С	≤ 0,20	
Si	max. 0.60%	
Mn	max. 1.70%	
P	max. 0.10	
S	max. 0,045	

The steel is in accordance with the European Standard EN10326. The designation of the steel is: S250. The steel strip is continuously hot-dip galvanized, in accordance with EN10326 Z275.

If DX51D quality is used in accordance to EN10327, the yield strength shall be minimum $235N/mm^2$.

2.2. Polyester Coating

The polyester is free of lead and cadmium

3. Properties

3.1. Overview of the different types

Length mm	Material
	Thickness mm
675	1,25
1075	1,25
1275	1,25
1475	1,25
1575	1,25
1675	1,25
1775	1,25
1875	1,25
1975	1,25
2075	1,50
2475	1,50

posts for base plate bekafix

Page: 2 / 5 CERTIFIED BY : Werner Frans

DATE: 07/04/2009 Group Quality Department
Replaces edition: 02/04/2009



Technical Data Sheet TDS-05-04 Bekafix® Post

Length mm	Material
	Thickness mm
1000	1,25
1500	1,25
1700	1,25
2000	1,50
2200	1,50
2500	1,50
2600	1,50
3200	1,50

Posts without base plate

3.2. tolerances

Length

The tolerance for all lengths of the Bekafix[®] post with base plate is \pm 2mm. (according to technical drawing DEV2205)

The tolerance for all lengths of the Bekafix $^{\otimes}$ post without base plate is \pm 15mm. (according to technical drawing DEV3080)

• thickness see table below

Tolerance on the thickness			
thickness	Tolerance		
mm	mm		
1,25	±0,15		
1,50	± 0.15		

3.3. Tensile strength

The strength is specified by

tensile strength: min. 300 N/mm² yield strength: min. 235 N/mm²

Page: 3 / 5 CERTIFIED BY : Werner Frans

DATE: 07/04/2009 Group Quality Department

Replaces edition: 02/04/2009

The information and data given are typical for the product described. However technical changes are possible without any notice.



Technical Data Sheet TDS-05-04		
	Bekafix® Post	

4. Coating

4.1. Zinc

Zinc coating:

Min. of 275 g/m 2 as an average of 3 measurements and doubleside determined in accordance with EN10326. (Z275)

4.2. Polyester coating

- **thickness**: min60 μm (average of 4 measurements)
- The polyester is free of lead and cadmium.
- **colour**: green RAL 6005 and white RAL 9010. Other standard colours are available and can be found in the technical data sheet TDS-99-33.(polyester coating)
- adhesion: accordance with EN 10223-7
 make two scratches by means of a hardmetal pointed graving tool, penetrating through
 the metal and intersecting at an angle of
 30° ± 5°. Lift a 30° peak with the point of a knife. The coating shall not be able to be
 lifted from the metal by more than 5 mm.
- resistance of the polyester to saltspray:
 make a diagonal cross by means of a hardmetal pointed graving tool, penetrating
 through the metal. Test in accordance with ISO 9227.
 After 1000 h there shall be no corrosion beneath the polyester or loss of adhesion in
 excess of 10 mm from the diagonals and no signs of blistering, cracking or crazing on
 any part of the specimen.

5. Post Cap

Each post is provided with a cap out of UV resistant plastic.

Page: 4 / 5 | CERTIFIED BY : Werner Frans

DATE: 07/04/2009 Group Quality Department



Technical Data Sheet
TDS-05-04

Bekafix® Post

6. Packaging of the posts

A total of 78 posts shall be put on a four way pallet.

UV resistible shrinkfoil or stretchfoil shall be put around the pallet.

Two strong straps shall be put around the pallet.

An identification label with the SAP-code and number of posts shall be put on each side of the pallet.

Table 3: Form of delivery and packing (Bekafix® post without base plate)			
Height of the post	Number of posts per pallet	Weight of the post	Sizes of the forwarding unit L x W x H
Mm		Kg	Cm
1000	78	2,55	105 x 105 x 53
1500	78	3,83	155 x 105 x 53
1700	78	4,34	175 x 105 x 53
2000	78	5,93	205 x 105 x 53
2200	78	6,50	225 x 105 x 53
2500	78	7,40	255 x 105 x 53
2600	78	7,70	265 x 105 x 53
3200	78	9,47	325 x 105 x 53

Table 3: Form of delivery and packing (Bekafix® post with base plate)			
Height of the post	Number of posts per pallet	Weight of the post	Sizes of the forwarding unit L x W x H
Mm		Kg	Cm
675	78	1,83	72 x 105 x 53
1075	78	2,91	112 x 105 x 53
1275	78	3,46	132 x 105 x 53
1475	78	4,00	152 x 105 x 53
1575	78	4,95	162 x 105 x 53
1675	78	5,27	172 x 105 x 53
1775	78	5,58	182 x 105 x 53
1875	78	5,90	192 x 105 x 53
1975	78	6,22	202 x 105 x 53
2075	78	6,53	212 x 105 x 53
2475	78	7,43	252 x 105 x 53

Page: 5 / 5 CERTIFIED BY : Werner Frans

DATE: 07/04/2009 Group Quality Department
Replaces edition: 02/04/2009