



# Bezoplast®

Your coloured alternative for stainless steel

## What can we offer you?

A PET coating on a Bezinal® base layer.

### Why choose Bekaert?

#### 1 Coating expert

Thanks to our wide range of standard and adapted coatings Bekaert can offer you products of the highest quality and performance.

#### 2 Global presence

Bekaert is active in more than 120 countries and employs over 23000 people worldwide. This makes us the largest independent wire manufacturer in the world, selling wire to almost all countries.

#### 3 400 international experts at your disposal

Bekaert's technology centres count over 400 international experts who have the technical know-how and experience to create the wire and coating that meets your expectations.

### Features

- Coating properties
  - Superior corrosion resistance
  - Cathodic protection
  - Smooth surface
  - Strong adhesion
- Mechanical properties
  - High ductility
  - Fatigue resistance

### Benefits

- No post coating necessary
- Aesthetic look
- Durability
- Unlimited colour range
- Efficient processing
- Good formability

## Product range

### Bezoplast® on round wire

- Core size
- Min.: 0.70 mm
  - Max. (low carbon): 4.80 mm
  - Max. (high carbon): 3.50 mm
- Tensile strength
- Low carbon: on demand
  - High carbon: grade SM/S (+100 N/mm<sup>2</sup>) according to EN 10270-1

### Bezoplast® on flat wire

- Core size
- Width: 2,5 to 15 mm
  - Thickness: 0,60 to 1,20mm
- Tensile strength
- On demand

## Colour range

### Standard range

Colour	RAL-code
White	9003
Black	9005

### On demand

Colour	RAL-code
Terra Brown	8028
Night Blue	5022
Moss Green	6005
Signal Red	3001
Stone Red	-
Traffic Red	3020
Slate Grey	7015
Antracite Grey	7016
Amarillo Yellow	1018
Fluo Orange	-
Fluo Green	-
Fluo Yellow	-

# Would you like to know more about the possibilities of Bezalplast®?

Feel free to contact us

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## Some applications

### Wiper component wire



Bezalplast® is very suited for wiper components such as wiper blades and wiper springs. It offers superior corrosion resistance and eliminates the need for a post-coating.

### Spoke wire



Designers are always looking for new attributes. A black Bezalplast® coated wire inspired them to create a more sophisticated type of bicycle spokes.

### Oyster cages



Oyster breeders use Bezalplast® for the identification of their cages. Especially the light colour types are helpful to easily locate their breeding zone in the sea water.

### Rock protection wire



In order to improve the endurance of rock protection netting, Bezalplast® is used to protect the wire from the elements.

## Technical properties

Thin coating: 50 - 100  $\mu$   
Hardness: shore D 76-83  
Salt spray acc DIN 50021 SS:  
>2000 hrs  
Good adhesion on the wire core  
Low water absorption : 0.1 - 0.2%  
Coiling index > 5  
Electrical resistivity  $10^{15} \Omega \text{ cm}$   
Stress relieving up to 240°C, 15'

## Product presentation

Metal reels  
(G240/70 and G360/70)  
WS 1000  
SK 80 H  
H80 H (low carbon)  
H300/400  
H300/400G

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### Quality certifications

All Bekaert plants that produce Bezalplast® coated wire hold the ISO 9001 and ISO/TS 16949:2002 certificate.