

# Why choose Bekaert?

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.

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.

# **Bezalplast®**

# Your coloured alternative for stainless steel

# What can we offer you?

A PET coating on a Bezinal® base layer.

#### **Features Benefits** No post coating necessary Coating properties Aesthetic look - Superior corrosion resistance Durability Unlimited colour range - Cathodic protection - Smooth surface - Strong adhesion Mechanical properties Efficient processing - High ductility Good formability - Fatigue resistance

### **Product range**

# Bezalplast® 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/mm²) according to EN 10270-1

#### Bezalplast® 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

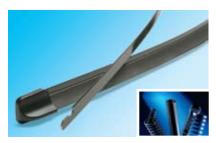
Colour	RAL-code
White	9003
Black	9005

#### 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	-

# 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 eleminates 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 bycicle 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.

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

## Feel free to contact us

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# **Technical properties**

Thin coating: 50 - 100 µ
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  $10^{15} \Omega$  cm Stres 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

#### Modifications reserved

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### **Quality certifications**

All Bekaert plants that produce  $Bezalplast^{\circledast}$  coated wire hold the ISO 9001 and ISO/TS 16949:2002 certificate.