

Coating solutions

Use Bezinal® Coating for your Strands

Bezinal®



Bezinal Coating For Active Corrosion Resistance

At Bekaert, we offer a wide range of active, passive, or combined corrosion resistant coating solutions suitable for any application and environment. For active corrosion protection, we have our own range of zinc aluminum coatings called Bezinal®. This technology provides the best performance in terms of corrosion and heat resistance, durability, and processability.

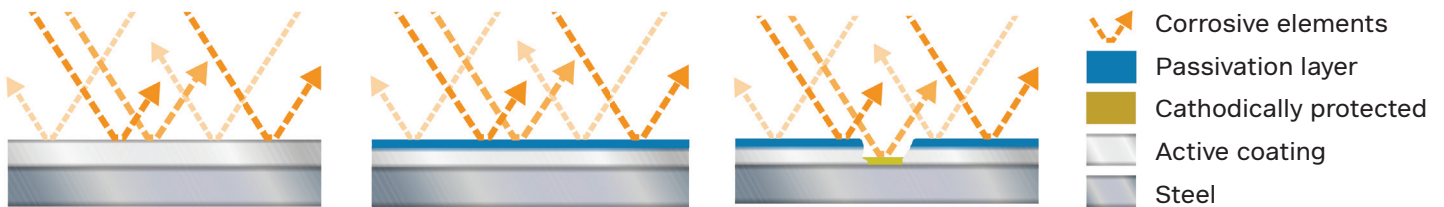
Bezinal® superior coating technology

Bezinal® is Bekaert's industry leading coating technology with unsurpassed corrosion resistance. Bezinal® is a 95%Zinc + 5%Aluminum (Mischmetal) eutectic alloy that exhibits remarkable corrosion resistant properties by combining passivation corrosion characteristics present with aluminum together with the sacrificial protection offered by zinc content of the alloy.

Superior corrosion resistance

Bezinal® coated wires resist corrosion 2 to 6 times longer in heavily polluting corrosion tests** than hot-dip galvanized wires and last up to 8 times longer in heavily polluted areas**. This is thanks to the formation of the dense and high quality passivation layer that is mainly formed by aluminum oxides.

*** Based on salt spray tests and Kesternich tests.*



Cathodic protection

Zinc-alloy coatings also offer cathodic protection of uncoated areas of the steel (e.g. cut-ends or scratches). The active coating generates an electrical current which reverses (counteracts) corrosive attack of the steel.

Wide-range of Applications

Our Bezinal® coating improves the life cycle of our products without compromising performance. In corrosive conditions, Bezinal® outperforms other popular coatings. Bezinal® is an ideal choice for a wide range of applications, especially Messenger Strand and Guy Wire. It is also commonly used for Steel cores for overhead electrical conductors (ACSR/ACSS); Overhead ground wire/Static wire; and Barbed Staples.



Messenger Strand



Guy Wire



Steel cores for ACSR/ACSS



Overhead Ground Wire/ Static Wire



Barbed Staples



Contact us

More
Information?

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