



Since 2003 the Kronakril Plant has been manufacturing and selling the following products:

- protective coating materials based on aqueous dispersions of acrylic copolymers,
  - red iron oxide pigment,
  - zinc phosphate,
- based pigment being a key producer of zinc phosphate in Russia.

The Kronakril Plant actively supports the import substitution program as well as development of the PWM (paintwork materials) market in Russia.

In 2017, **80%** of the anticorrosive paint and varnish materials manufacturers in Russia opted for the products of the **Kronakril Plant**.



## Zinc Phosphate

Zinc phosphate based pigment is a white synthetic inorganic pigment intended for manufacturing of anticorrosive paintwork materials based on alkyd, epoxy, acrylic resins, aqueous-based as well solvent-borne.

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### Properties:

- Non-toxic, environmentally friendly product
- Being free of unwanted colour, the product can be used in primers and ground coats of any colour
- When introduced into a painting system, the product does not cause side effects
- When the coating composition with zinc phosphate is applied on the metal surface, a protective layer is created on the surface of the substrate, which interacting with oxygen creates phosphate complexes, protecting the metal from rusting
- Unlike organic corrosion inhibitors, the film-based coating demonstrates a lasting anti-corrosion effect



## Red iron oxide pigment

**Red iron oxide pigment** — is red powder of various shades produced by calcination, insoluble in water and vegetable oils.

### Properties:

- Stable in the systems with lime and cement
- Exhibits high spreading capacity and vehemence, resistant to salts, mild acids and alkalis.
- Exhibits high levels of lightfastness, weathering and heat resistance.
- Possesses high decorative and physical, chemical pigment

properties

**Application:**

Designed for use in manufacture of paintwork materials (anti-corrosive paints, primers and general purpose enamels, ready-mixed paints and filling paints for general purposes), construction materials (cement paint, manufacture of cement-sand tiles, calcium silicate bricks, colored concrete etc.)



## Calcium phosphate

**Description:**

Calcium phosphate is an inorganic white pigment; it is used in paintwork products to enhance anti-corrosion properties and adhesion strength. Thanks to the lamellar structure of the pigment particles, the barrier-layer effect of the coating is enhanced on the anodic area.

**Properties:**

- Effective corrosion resistance
- Non-toxic and eco-friendly
- No emission of toxic gases when covered with steel plates for welding
- Quick drying and excellent water resistance
- Low requirements to the surface to be covered
- Strong bond between the paint and the surface
- Good retention on the base in form of coating

**Application:**

Calcium phosphate is intended for manufacture of anticorrosive paintwork materials based on alkyd, epoxy, acrylic resins, both water-based and organic solvents.

## Potential partners (buyers): Anticorrosive coatings manufacturers, anticorrosive pigments dealers.

**Network Contact**

**Issuing Partner**

An autonomous non-commercial organization "Yaroslavl Region Export Assistance Centre"

**Contact person**

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