

# SANAKRYL® 2K email

Serial number 0926

## *Two component water-soluble epoxy-acrylate email*

### **Features:**

**SANAKRYL 2K email** is two component water-soluble coating based on water-acrylate dispersion, organic and inorganic pigments, fillers and special additives. For stiffing purposes, the epoxy emulsion is used. Coatings are specified by higher chemical resistance, great UV light and other atmospheric effects resistance, mechanical wearing resistance and by long durability. The email is produced in semi-gloss finish.

### **Usage:**

**SANAKRYL 2K email** is made for top coatings of steel, galvanized and aluminum structures. It is suitable for top coatings of metal parts and for application on constructions, which are highly corrosion and chemically stressed. For basic anticorrosive coatings, **SANAKRYL antikor EP**, **SANAKRYL antikor AK** or **SANAKRYL antikor AY** should be used. Additionally, **SANAKRYL 2K email** can be used for coatings of concrete surfaces, floors in residential areas and in areas used publicly including passages and covered passages (fulfills requirements of MPR ČR č. 268/2009 a ČSN 74 4505 about anti-slip surfaces decree). It can be used also for coatings of wood with constant volume, chipboard and wood-based panels and also for perfectly matured concrete.

### **Technical data:**

Dry matter:	Component A:	min. 45 hm. %
	Component B:	min. 66 hm. %
Dry matter of stiff mixture		min. 45 hm. %, min. 35 vol. %
Stiffing ratio (weight parts)		100 : 9 (5 : 0,45)
Maximum workability of stiff mixture (20 °C)		max. 12 hours
Specific weight		1,2–1,3 g/cm <sup>3</sup>
pH		8,0–10,0
Viscosity Brookfield (A/5/10)		min. 100 mPa.s (25 °C)
Workability duration		12 hours
Drying	stage 1:	1 hour
	stage 4:	12 hours
Hardness after 24 hours		min. 10 %
Content of volatile organic compounds		
Category/subcategory of product		A/j
Max. volume of VOC in the product		83 g/l
		0,070 kg/kg
TOC		51 g/l
		0,0425 kg/kg

### **Consumption:**

0,20–0,25 kg/m<sup>2</sup> (two layers)

**Color shade:**

According to RAL sampler.

To achieve the same color shade on the coated surface, it is necessary to use product of the same production batch, or to homogenize the product by mixing in bigger container before usage.

**Packaging:**

5 kg (component A) + 0,45 kg (component B) plastic containers.

**Storage:**

In original unopened boxes from 5 °C to 25 °C. It must not freeze!

**Surface preparation:**

The surface must be clear of mechanical impurities, degreased (high-pressure washing tools, solution of concentrate **ETERNAL odmašťovač**, or other suitable detergent) and dry.

**Application:**

**SANAKRYL 2K email** is applied on prepared surface by roller, brush, pneumatic or high-pressure airless spraying in two to three layers according to the type of treated surface with technological break at least 12 hours in temperature of surroundings from 8 °C to 30 °C and relative air humidity of max. 75 %. According to application technology, the coating is diluted with max. 8 weight % of water. In lower temperatures and higher relative air humidity, it is necessary to extend the time of drying. It is possible to use additional drying in temperatures from 30 °C to 60 °C. Workability of prepared mixture is max. 12 hours (20 °C). After 12 hours it is no longer possible to use the coating.

**Application on metal surfaces**

Steel surfaces must be clear of corrosion particles, mechanical impurities, residues of old coatings and degreased (with solution of concentrate **ETERNAL odmašťovač**, or other suitable detergent followed by rinsing with water). Prepared and dry surface is then treated with 1–2 layers of **SANAKRYL antikor AK** or **SANAKRYL antikor AY** with an interval between coatings for 4 hours, or **SANAKRYL antikor EP** with an interval between coatings for 2–24 hours. After the anticorrosive coating is dry, 2 layers of **SANAKRYL 2K email** are applied, with an interval between coatings for 12 hours.

**Application on wood with constant volume, wood fiber and wood-based panels:**

The surface must be clear of dust, mechanical impurities, resin (for example with nitrating agent), then the surface is treated with **FORTEKRYL napouštědlo na dřevo** with protective effects against wood-corrupting fungi and insect. In dry interiors, **FORTE penetral** can be used. After the penetration is dry, the surface is sanded with fine sandpaper. Wood-fiber and wood-based panels are then treated with one layer of isolating coating **ETERNAL In stop** against possible penetration of color stains from the surface to the top layer of coating. After the isolating coating is dry, the surface is sanded with fine sandpaper. On the prepared surface, two layers of coating **SANAKRYL 2K email** are applied with a break between coatings of 12 hours.

**Application on mineral surfaces and plasters:**

Mineral surfaces must be rid of non-adherent coatings, mechanical impurities and degreased (**ETERNAL odmašťovač**). Dry surface is then treated with **FORTE penetral** and after it dries, two layers of **SANAKRYL 2K email** are applied with a break between coatings of 12 hours.

***Application on chipboard panels:***

Chipboard panels must be sufficiently carbonated. The surface of panels must be rid of mechanical impurities, soot, moss, non-adherent old coatings, degraded surface-layers and degreased. Prepared surface is then treated by special penetrating agent **FORTE penetral**. Penetration is ideally done in one coating on treated surface. As soon as the penetrating agent dries and starts to create glossy film on the surface, the penetration is finished. After at least 6 hours from penetration, two layers of **SANAKRYL 2K email** are applied with a break between coatings of 12 hours.

***Certification:***

TZÚS Praha authorized person number 204

***Waste disposal:***

Described on safety data sheet of the product.

***Safety and hygiene at work:***

**Component A:** is not classified as dangerous. The product is treated, it contains biocidal agent. It contains reaction mixture CMIT/MIT (3:1) [Index number: 613-167-00-5]. It can cause allergic reaction. While working, it is suitable to use protective clothing, gloves and protective goggles. In case of contact with skin wash with soap and water, in case of contact with eyes, rinse your eyes with water for at least 15 minutes. If the irritation does not stop, seek medical help. If swallowed, drink approximately 0,5 l of tepid water with 10 crushed charcoal tablets and seek medical help. Do not induce vomiting. Other details are described on safety data sheet of the product.

**Component B:** is classified as dangerous. It contains epoxy resin based on bisphenol A and epichlorohydrin, nonylphenol branched ethoxylated and epoxy resin based on bisphenol F. Causes serious irritation of eyes and skin. It can cause allergic reaction, also on skin. Highly toxic for water organisms with long-term effects. It contains epoxy components. Prevent any release into the environment. Use protective gloves, clothing, goggles and face shield. Contain any leaked product. In case of contact with eyes: Rinse carefully for several minutes with water. Remove contact lenses if present and easy to remove. Continue rinsing. In case of contact with skin: Wash properly with soap and water. Discard the packaging/container by incineration in an incinerator or in landfill for hazardous waste. Other details are described on safety data sheet of the product.