

# SANAKRYL® 2K PUR

Serial number: 0905

## *Two component water-soluble polyurethane glossy email*

### **Features:**

**SANAKRYL 2K PUR** is two component water-soluble coating based on dispersion of organic and inorganic pigments and fillers, water-soluble acrylate resin, aliphatic isocyanate and special additives. The coating is specified by great long-term gloss, great wind resistance, mechanical wear resistance, chemical and solvents resistance. Coating **SANAKRYL 2K PUR** meets hygiene requirements for contact with food and drinkable water. It is produced also in matt color shade.

### **Usage:**

**SANAKRYL 2K PUR** is intended especially for industrial decorative top coatings of metal surfaces, especially of road-construction and construction machines, engineering products, means of transport, ships, steel structures, containers, silos, trays, for top coatings in areas with high corrosion stress and in areas with aggressive conditions of chemical, petrochemical industry and energetics, and for coatings in food industry. It can also be used for coatings of volume-stable wood, wood-based boards and of perfectly matured concrete. It is necessary to use anticorrosive base coating **SANAKRYL antikor EP** or **SANAKRYL antikor AK**.

### **Technical data:**

Dry matter:	Component A	min. 48,0 weight %
	Component B	min. 66,0 weight %
Dry matter of thick mixture		min. 50 weight %
		min. 43 volume %
pH		7,0–9,0
Thickness of thick mixture		approx. 1,22 g/cm <sup>3</sup>
Consistency after diluting (F4)		25–60 (5–15 % of water)
Drying:	stage 1	120 minutes
	stage 5	24 hours
Hardness (Persoze):	1 day	min. 20,0 %
	10 days	min. 25,0 %
Gloss (60° geometry)		min. 80 %
Adhesion		stage 0–1
Content of volatile organic compounds:		
Category/subcategory of product		A/j
Max. volume of VOC in the product		31 g/l
		0,025 kg/kg
TOC		0,015 kg/kg

### **Consumption:**

0,20–0,25 kg/m<sup>2</sup> (2 layers)

### **Color shade:**

According to sampler RAL

**Packaging:**

Component A: 4 kg plastic containers  
Component B: 1 kg metal bottles

**Storage:**

In original unopened containers in temperature 5–25 °C. It must not freeze! Use as soon after opening as possible.

**Surface preparation:**

**SANAKRYL 2K PUR** is applied on perfectly cleaned, dry surface, cleared of dust and other impurities, degreased and treated by anticorrosion base coating (**SANAKRYL antikor EP** or **SANAKRYL antikor AK**).

**Application:**

Component A and B are mixed slowly and properly in ratio 4 : 1 of weight parts for 2 minutes. Viscosity of the mixture will increase and then the coating can be diluted with distilled or demineralized water according to chosen technique of application:

1. Airless spraying: original viscosity
2. Air spraying: 25–35 s, diluted with 10–15 % of water
3. Brush, roller: diluted with 0–8 % of water

Diluted mixture must be mixed for 5 minutes, then left for 10 minutes to rest. After that it can be applied. Workability of the mixture is 4 hours. After 4 hours the mixture cannot be used!

**SANAKRYL 2K PUR** is applied mainly by high-pressure air and airless spraying, but it can also be applied by brush or roller. It is applied in surroundings temperatures 12–30 °C on prepared surface no sooner than 24 hours after application of base coating. Maximum thickness of film is 150 µm. The coating can be additionally dried in temperatures 40–60 °C if needed. Tools must be used with water immediately after usage.

**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 It contains 2,4,7,9-tetramethyldec-5-yne-4,7-diol [ES: 204-809-1]. It contains reaction mixture CMIT/MIT (3:1) [Index number: 613-167-00-5]. It can cause allergic reaction. When following basic hygiene rules, it is not a health hazard. While working, it is suitable to use protective clothing, gloves and goggles. In case of contact with skin, wash with soap and water. In case of contact with eyes, rinse with water immediately. If the irritation does not stop, seek medical help. If swallowed, drink about 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 isocyanate, polyoxymethylene tridecyl ether phosphate and epoxy-propoxy-propyl-trimethoxy-silan. It contains isocyanate. It causes heavy skin burning and damage to eyes. It can cause allergic reaction. It is toxic for water organisms with long-term effects. Use only outside or in well-ventilated areas. Use protective clothing, gloves, goggles and face shield. If swallowed: rinse your mouth with water. Do not induce vomiting. In case of contact with skin

(or hair): strip down every contaminated part of clothing immediately. Wash your skin with water. Contact immediately Toxicological Information Center or doctor. In case of contact with eyes: rinse for several minutes with water. Remove contact lenses if present and easy to do. Continue rinsing. Store in locked areas. Dispose of product/container by incineration in an incinerator or on landfill for hazardous waste. Other details are described on safety data sheet of the product.