

Banja Komerc Bekament DOO	TECHNICAL DATA SHEET	Edition 1	Date: December 10 2018
		Version 5	
BK-POL CRYSTAL			RZ-TLP-011

## 1. PRODUCT AND COMPANY INFORMATION

**Commercial product name:** BK-Pol Crystal

**Manufacturer:** Banja Komerc Bekament DOO  
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## 2. DESCRIPTION, FIELD OF APPLICATION

BK-Pol Crystal is a washable, very white, high-quality acrylic emulsion-based dispersion paint. It is intended for interior use. It is very resistant to wear and tear. Has excellent coverage, as well as good vapor permeability. It is used for the decorative protection of interior walls and ceilings in residence, business, and public objects, as well as places where the need for regular cleaning of surfaces is the greatest.

It is considered an environmentally friendly wall paint not harmful to human health or the environment. It does not contain organic solvents.

## 3. COMPOSITION

**Chemical composition:** Aqueous polymer emulsion, water, additives, pigments, and mineral fillers.

**Hazardous substances:** In accordance with the (EC) Regulation No. 1272/2008 on classification, labelling and packaging of substances and mixtures, through which the CLP/GHS classification and labeling system was introduced into law, this product is not classified as a hazardous product.

## 4. TECHNICAL CHARACTERISTICS

Density, g/dm <sup>3</sup> (EN ISO 2811-1)	1,500-1,700
Adhesion, MPa (EN ISO 4624)	≥ 1.0
Water absorption, kg/(m <sup>2</sup> h <sup>0,5</sup> ) (EN 1062-3)	0,1-0,5 (Class W <sub>2</sub> according to the EN 1062-1)

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Wet wiping resistance, $\mu\text{m}$ (EN ISO 11998)	5-20 at 200 cycles (Class 2 according to EN 13300)
Shine, % (EN ISO 2813)	< 5 at an angle of $85^{\circ}$ (deep matte according to EN 13300)
Particle size, $\mu\text{m}$ (EN 1524)	< 100 (fine according to EN 13300)

Coverage	Class 2 at 8 $\text{m}^2/\text{l}$ (according to EN 13300)
Viscosity, mPas (EN ISO 2555)	20,000-30,000
Indicative consumption, $\text{ml}/\text{m}^2$	~110-120
Packaging, l	1; 3; 5; 10; 15;

## 5. OTHER CHARACTERISTICS

**Physical appearance:** White or colored viscous liquid

**Odor:** Specific of polymeric binders

**pH value (EN ISO 787-9):** 8-9

**Dry matter content (EN ISO 3251), %:** ~70

**VOC\* content, g/l:** < 1 (maximum value allowed A (a) 30 g/l)

Possibility of choosing over 500 shades according to Bekament's color charts with an unlimited selection of colors. BK-Pol Crystal may also be colored using the BK-Color and BK-Fas Color shading products. We do not guarantee a complete match according to the color charts of other manufacturers, nor do we guarantee absolute repeatability of shades.

## 6. SURFACE PREPARATION

The surface to which the paint is applied must be firm, clean, and dry, without poorly bound parts, greasy stains, etc. The following surfaces are appropriate: surfaces smoothed using quality smoothing masses, as well as surfaces where dispersion paints or paints had taken solid hold. Before painting, the surface must be coated using the primer BK-Podloga. The primer must be left to dry before applying the paint for at least 12 hours.

When re-painting surfaces infected by wall moulds, disinfect them with BK-Sanacid. When the surfaces in question have been previously treated with oil-based paints, varnishes, etc, a complete removal of all existing spreads must be performed.

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## **7. PREPARATION AND APPLICATION**

Before use, stir the mass and homogenise the materials from different batches and/or packages and dilute it with water if needed. It is recommended that dilution is 10% for the first coating, and 5% for the second. The paint is applied using a short-haired roller and, as needed, a brush, most often in two layers. Due to its high coverage, when repainting less soiled surfaces, usually one coating is enough. Application of the second layer is done after the first layer is completely dry. In normal conditions ( $T=+23-25\text{ }^{\circ}\text{C}$ , relative humidity=50-60 %), this takes 4-6 hours. Additional corrections to the paint during the installation (additional dilution, adding pigments, etc.) are prohibited.

Work must be even and without interruptions in continuous wall surfaces so as to avoid any irregularities created due to the adhesion of surfaces, irregular drying, etc. Air and surface temperature during installation should be in the  $+5\text{ }^{\circ}\text{C}$  to  $+30\text{ }^{\circ}\text{C}$  range. The paint is dry to touch after 6-8 h depending on conditions, while full resistance of the film is achieved after 3 weeks. Surfaces painted over are washable and are resistant to cleaning using mild, diluted household products. Any possible impurities may be removed by lightly washing them with a sponge soaked in a warm water dilution and a universal house cleaning supply (laundry detergent/dish soap). No intensive cleaning or washing using concentrated products or abrasive sponges is permitted.

## **8. CLEANING THE TOOLS**

All tools must be thoroughly washed using water immediately after use. If the tools are not washed immediately after use, remove the hardened residue mechanically. Removal may be easier if the tools are submerged in water over a period of several hours.

## **9. HANDLING AND STORAGE**

No special caution during use is needed when using the product properly. Keep out of reach of children.

Store at temperatures between  $+5\text{ }^{\circ}\text{C}$  and  $+25\text{ }^{\circ}\text{C}$ , protected from direct sunlight and frost. Shelf life: 18 months.

## **10. PERSONAL PROTECTION**

Respiratory tract protection: Not needed when the rooms are well aerated.

Hands and body protection: When the skin is repeatedly exposed to the mass, a preventative use of protection gloves is recommended. Use long-sleeve work overalls. Eye protection: Use safety goggles as a preventative measure.

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### **11. ECOTOXICOLOGICAL INFORMATION**

Based on experiences and information currently available, no negative health effects are known when the product is used appropriately. Prevent uncontrolled discharge into sewage and waterways.

### **12. STORAGE**

In accordance with local/regional/European/national regulations.

### **13. OTHER INFORMATION**

The color chart was printed on paper. While applying the product onto various surfaces, certain smaller deviations from the color chart may be expected. These deviations are not subject to claims. Certain deviations of the paint in relation to the appropriate shade in the color chart are possible due to the use of natural mineral fillers. The uneven color shading of a surface painted over may be the consequence of inappropriate conditions at installation, differences in absorption, and roughness of the surface. The appearances of stains on the wall are remediated by painting over the entire surface of the wall. Painting over just one section of the wall is not recommended.

Banja Komerc Bekament DOO does not guarantee a complete match of shades from various batches. Deviations in terms of tone are not subject to claims.

If the contractor notices an aesthetic or application deficiency while using the material, he is obliged to cease the works and notify the manufacturer of this. The manufacturer will consider the claim in the shortest possible time frame. Complaints to the manufacturer upon using a significant portion or the entire amount of the materials are not subject to claims.

### **14. NOTE**

Banja Komerc Bekament DOO performs product quality checks using its own laboratories. It also regularly tests its products in certified laboratories. The Data Sheet is the product of our knowledge and previous practical experience. The purpose of the Data Sheet is to serve as a recommendation in order to achieve the best possible results. If weather and other conditions are different than those described in our instructions, our instructions need to be taken as general guidelines, without an installation warranty.

Banja Komerc Bekament DOO assumes no liability for damages resulting from the improper use or incorrect product selection, as well as for poorly executed work. It is assumed that the contractor has mastered the techniques of installing and use of various products.

Matters written herein bind us in no way.

This document replaces all previous versions. All previous versions, starting with the listed date the document was compiled, are void.

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