

TECHNICAL DATA SHEET	Issue: 2	Revision: 0
BK-Signal Color	RZ-TLP-164/-01/-02	Date: 06.08.2024.
Prepared by: Jelena Tomković	Approved by: Vesna Jovanović	

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: BK-Signal Color (shades: white RAL 9016, yellow RAL 1003, yellow RAL 1023, black RAL 9005, red RAL 3020, blue RAL 5005, grey RAL 7012, grey RAL 7044, green RAL 6018, and other RAL shades upon request).

Manufacturer's details:

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2. DESCRIPTION AND SCOPE OF APPLICATION

BK-Signal Color is an acrylic paint for thin-layer horizontal signaling and marking of roads, parking spaces, streets, pedestrian crossings and other roads covered with asphalt or concrete. It is characterized by quick drying, good adhesion to the substrate and elasticity. It has good hardness, is extremely wear-resistant and resistant to atmospheric influences.

3. COMPOSITION

Chemical ingredients: Acrylate binder, organic solvents, pigments, mineral fillers, and additives
Hazardous ingredients: Pursuant to the Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures by which CLP/GHS classification and labelling system was legally introduced, the system components are hazardous ingredients, thus this product is classified as a hazardous product with the label: Hazard

4. TECHNICAL SPECIFICATIONS

Density, g/cm ³ (EN ISO 2811-1)	1.50 - 1.60
Viscosity, s (DIN 53211, d=6 mm, 20°C)	40 - 60

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Viscosity, KU (EN ISO 2431:2019, d=6 mm, 20°C)	Max. 85																				
Drying time, "No-Pick-Up Time", min. (ASTM D 771-89, 23 °C)	15																				
Fineness of grind, µm (EN ISO 1524:2013)	Max. 90																				
Theoretical consumption, g/m ²	<table border="1"> <thead> <tr> <th>Dry film thickness (DFT*), µm</th> <th>Wet film thickness (WFT*), µm</th> <th>Consumption, g/m²</th> <th>Consumption, ml/m²</th> </tr> </thead> <tbody> <tr> <td>160</td> <td>300</td> <td>450</td> <td>290</td> </tr> <tr> <td>220</td> <td>400</td> <td>620</td> <td>400</td> </tr> <tr> <td>270</td> <td>500</td> <td>760</td> <td>490</td> </tr> <tr> <td>330</td> <td>600</td> <td>930</td> <td>600</td> </tr> </tbody> </table>	Dry film thickness (DFT*), µm	Wet film thickness (WFT*), µm	Consumption, g/m ²	Consumption, ml/m ²	160	300	450	290	220	400	620	400	270	500	760	490	330	600	930	600
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<i>Conversion factor: wet/dry film: 1.8</i>																					
<i>Quantities apply to non-diluted paint!</i>																					
Package, kg	30																				
Note	The product meets the criteria for P5, P6, and P7 classes, in compliance with UNE-EN 13197:2012+A1:2014 and UNE-EN 1436:2018, and it has AETEC certificate.																				

5. OTHER CHARACTERISTICS

Appearance: White or colored liquid

Smell: Specific for acrylate binder and organic solvents

Non-volatile-matter content by mass (EN ISO 3251), %: 76 ± 1

Non-volatile-matter content by volume (EN ISO 3233), %: min 55

6. SURFACE

Surface (asphalt or concrete surface) must be clean, dry, dust-free, and grease-free

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before product application.

7. PREPARATION AND APPLICATION

The product may be applied mechanically or manually using a roller, brush, spray gun. Homogenize the mass well by mixing before use. The color is thinned with BK-Signal Color thinner up to 5% depending on the ambient temperature and the method of application. Thinning up to 2% is recommended for application by brush or roller, or up to 5% if applied by spraying. As it dries quickly, it is recommended to apply one coating in strips without interruption.

Note: Dry film thickness depends on the type of marking, traffic volume, method of application, and the surface to which it is applied.

Retroreflection (visibility of carriageway markings at night) is improved by applying glass beads over the wet paint film.

Application: The carriageway surface temperature must range from +5 to +45°C. Minimum air temperature for works execution is +10°C, and maximum temperature +35 °C, relative humidity max. 80%. In lower temperature conditions, the paint dries and reaches permanent hardness more.

8. TOOL CLEANING

Immediately after use, the tool should be thoroughly washed with BK-Signal Color thinner. If the tool is not washed immediately after use, the cleaning can be facilitated by soaking the tool in BK-Signal Color thinner for several hours.

9. HANDLING AND STORAGE

The product is intended for professional use. When used correctly, no special handling precautions are required. Use skin and eye protection. Keep the product away from sources of heat and ignition. Do not use sparking tools. Drinking, eating, and smoking when handling the chemical is not allowed. When the product is handled indoors, effective local ventilation should be provided.

Shelf life: 12 months in original packaging. Store in original packaging at a temperature of +5°C to +35°C away from heat sources and direct sunlight.

10. PERSONAL PROTECTION

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Keep out of reach of children. If medical advice is needed, take the product packaging or label with you. Before use, read the information on the label. Use the required personal protective equipment. The paint bucket should feature appropriate labels containing clearly visible information related to the safe handling of the paint. For more information on hazards and protection when handling the paint, request the product material safety data sheet (MSDS).

11. ECOTOXICOLOGICAL INFORMATION

Based on the experience and existing information, no adverse effects on health are known when used correctly. The product must not enter waterways and sewers.

12. DISPOSAL

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

13. OTHER INFORMATION

If the contractor notices some aesthetic or application deficiency when installing the material, the contractor shall suspend the works and inform the manufacturer thereof, and the manufacturer shall start considering such complaint as soon as possible. Defects reported to the manufacturer after the installation of a larger portion or the entire quantity of the material, including characteristics which could have been identified during the installation process, may not be subject to complaint.

14. NOTE

Banja Komerc Bekament DOO performs product control through its own laboratories and through regular testing by certified laboratories. This Technical Data Sheet is the product of our knowledge and acquired practical experience, and it shall serve to all users as a recommendation for achieving the best results. If weather and other conditions are different from the ones specified in our instructions, our instructions should be considered general guidelines, without any installation guarantees.

Banja Komerc Bekament DOO shall not be responsible for damages resulting from incorrect use or incorrect product selection, or low-quality works. The contractor is assumed to have mastered the installation and use techniques for various products.

In no way shall we be bound by the above-stated.

This document replaces all previous versions, which shall be considered invalid as of the specified date of preparation hereof.

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