

1. PRODUCT AND COMPANY INFORMATION

Product commercial name: BK-AquaEmajl(shades: white, yellow, red, green, blue, black, brown, ivory, gray, ocher)

Manufacturer:

Banja Komerc Bekament DOO
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2. DESCRIPTION, FIELD OF APPLICATION

BK-AquaEmajl is a water-based universal enamel topcoat for wood and metal. It is suitable for decoration and protection of the wood in the interior and exterior, as well as for coating less loaded metal surfaces in the interior. It is suitable for decorative protection of windows, doors, window blinds, garden woodwork, fences, etc. Quality resin, in union with UV-stable pigments provides optimal protection of the wood from UV rays, moisture, and other external factors. The product does not have an unpleasant odor.

3. COMPOSITION

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

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/dm³ (EN ISO 2811-1)	1,000-1,250
Viscosity, mPas (EN ISO 2555)	1,500-10,000
Indicative consumption, g/m²	60 - 80
Packaging, l	0.65

TECHNICAL DATA SHEET	Edition: 1	Version: 4
BK-AquaEmajl	RZ-TLP-101	Date: 5.11.2020.

5. OTHER CHARACTERISTICS

Physical appearance: Colored liquid

Odor: Specific of polymeric binders

pH value (EN ISO 787-9): 9,0 ± 0,5

Dry matter content (EN ISO 3251): 25 – 45 %

VOC* content, g/l: 25 (maximum value allowed A (d) 130 g/l)

*VOC: Volatile Organic Compound;

Product is available in 10 previously prepared shades. Possibility of toning in over 550 shades according to Bekament 2008 and RAL tone cards. We do not guarantee absolute repeatability of shades.

6. SURFACE PREPARATION

When applying to wooden surfaces, the surface must be to be dry, clean and sanded, while the cracks and crevices in the wood must be filled with putty. Old coatings which did not adhere well must be removed, and the surface must be sanded and cleaned from dust. Old coatings which did adhere well should only be matted by sanding and the surface should be cleaned from dust. If tree resin and grease are present, they need to be removed using the BK-Nitro thinner. The level of moisture in conifers must not exceed 15%, while this level is 12 % for deciduous trees. Before applying the first layer of paint on the wooden elements exposed to external factors, they need to be protected from the effects of fungi, mold, and parasites by applying BKProtecta. Before applying the final coating it is necessary to apply the BK-AquaPrime primer.

In the cases of application onto metal and steel surfaces, the surface must be dry, clean, and rust-free. Rust is to be removed mechanically, while any grease and other impurities are to be removed using the BK-Odmašivač (Degreaser) or BK-Nitro thinner. Before applying the final coating, primer BK-AquaPrime Metal, must be applied. Old cracked, badly-adhered coats needs to be removed first, and surface finely sanded.

Clean and smooth out the coatings which were not cleaned.

7. PREPARATION AND APPLICATION

Homogenize the mass by stirring before use. As needed, add water up to 5% (32,5 ml) for application using a brush or a roller, i.e. 10% (65 ml) if using spraying as a method of application.

Because the mass becomes dry very quickly, it is recommended to apply the mass in zones without stopping, while possible drops need to be smeared to prevent them from drying. BK-AquaEmajl is to be applied in two, three, or more layers onto a basis prepared according to the given instructions. When applying the mass through spraying, about 80-100 µm of wet paint film needs to be applied in one layer. The thickness between layers needs to be checked multiple times with a wet paint film thickness gauge. Correction of

the coat between layers is not allowed. The drying time between layers is 4 to 6 hours in regular conditions (23 °C and 50-60 % relative humidity).

Subsequent color corrections during installation (additional dilution, addition of pigment, etc.) are not allowed.

Application temperature: +5°C to +30°C. Do not work under direct sunlight, rain, strong wind and relative humidity greater than 80 %. The coating achieves its final physical and chemical properties after drying for 28 days in normal conditions (23 °C and 50-60 % relative humidity).

Notes: Combine different product batches. In order to achieve the wanted shade, it is very important to homogenize the mixture through stirring. If the mass, due to the extended length of stirring, should contain too much air, leave the mass for one hour before application, and then re-stir it gently. As a natural material, wood does not have an even surface, density, or absorption. When it comes to wood which is quite porous, multiple layers of the spread may need to be applied in order to reach the appropriate gloss. The level of dissolution with water and the thickness of layer applied have an impact on the coverage of the spread. The coverage drops with the increase of added water. Paint should always be first applied on a test surface! Dried painted surfaces should not be placed one atop another since “dry adhesion” could occur, especially under greater load and elevated temperature.

8. CLEANING THE TOOLS

All tools need to be thoroughly washed in 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 or if they are washed using the BK-Nitro thinner.

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 ° C and +25 ° C, protected from direct sunlight and frost. THE PRODUCT MUST NOT FREEZE OVER.

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 continuously 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.

11. ECOTOXICOLOGICAL INFORMATION

Based on experiences and information currently available, no negative health side 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

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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