

## 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

**Trade name of the product:** BK-Silicon Universal

**Information about the manufacturer:**

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## 2. DESCRIPTION AND AREA OF APPLICATION

BK- Silicon Universal is a multi-purpose silicone sealant that cures in the presence of moisture and forms a permanent, elastic rubber. The product is resistant to UV rays and the weathering.

BK-Silicon Universal is a product specifically developed for sealing finishing works in glazing, circular joints around window frames and doors, for joints in kitchens and bathrooms.

**Advantages:**

- Multi-purpose application.
- Excellent water resistance , UV rays and weather conditions.
- Resistant to mould
- Permanently elastic

**Limitations:**

- Not suitable for PE, PP, PC, PMMA, PTFE, neoprene and bituminous surfaces.
- Not suitable for use on concrete, marble, lead, copper and galvanized steel.
- Compatibility with sealant on insulating glass is not guaranteed, because the composition of the sealant for edges can be different or modified by the manufacturers of the insulating glass. Advices related to the compatibility of sealants for glazing and sealants for insulating glass for edges are based on experience and because of it, there are no guarantees.

## 3. COMPOSITION


**Chemical composition:** Compound on acetate basis.

**Hazardous ingredients:** In accordance with Regulation (EC) No. 1272/2008 on classification, packaging and labeling of hazardous substances and mixtures, by which the CLP/GHS classification and labeling system is introduced into the legislation, this product will not be classified as hazardous.

#### 4. TECHNICAL SPECIFICATIONS

|  |                                 |
|--|---------------------------------|
| <b>100% Module, N/mm<sup>2</sup></b>                 | 0,30                            |
| <b>Application temperature, °C</b>                   | 5-40                            |
| <b>Extrusion, %</b>                                  | 440                             |
| <b>Shore A hardness (DIN 53505)</b>                  | 17                              |
| <b>Density, g/ml</b>                                 | 0,96                            |
| <b>Spill, mm (ISO 7390)</b>                          | <2                              |
| <b>Film forming, min (23°C/50% RH)</b>               | 10-12                           |
| <b>Installation speed, g / min (Ø3 mm / 6.3 bar)</b> | 700                             |
| <b>Tensile strength, N / mm<sup>2</sup></b>          | 1,30                            |
| <b>Packaging, ml</b>                                 | 280                             |
| <b>Appearance and colour</b>                         | White, black, transparent paste |
| <b>Odor</b>  | Like acetic acid                |

#### Certificate:

|   |  |
|---|--|
|  | EN 15651-1: F-EXT-INT-CC<br>EN 15651-2: G-CC<br>EN 15651-3: S S1 |
|   | A+ French VOC Regulation   |

#### 5. BASE SURFACE

The base surface must be firm, clean and dry, without loose parts, oil stains and the like. BK- Silicon Universal has a property of perfect adhesion without the application of a primer on most non-porous surfaces.

#### 6. PREPARATION AND APPLYING

A well-designed joint with sufficient width to receive and hold movements of adjacent elements. Joint depth should always be in exact proportion to the joint width. The general rule is that the ratio of joint depth to width is 1:1, where the joint width is up to 10 mm,

with a minimum of 5 mm. For joints wider than 10 mm, the depth is defined according to the following formula: width / 3 +6 mm.

BK-Silicon Universal not paintable. It is recommended to cover the edges of the joint with a duct-tape to prevent damage to the surfaces to be painted.

## 7. CLEANING THE TOOLS

Immediately after use, clean all tools and application equipment with a suitable organic solvent. Hardened (cured) material can only be removed by mechanical means.

## 8. HANDLING AND STORAGE

With correct application, there are not any special precautions necessary for handling. Keep out of the reach of children.

Store at temperatures of +5°C to +25°C, protected from direct sunlight and frost.

Expiration date is indicated on the package.

## 9. PERSONAL PROTECTION

Protection of airways: Not necessary in well-ventilated rooms.

Protection of hands and body: Preventive use of protective gloves is recommended in repeated contact with skin. Use work clothes with long sleeves and legs.

Eye protection: Preventive use of safety goggles.

## 10. REGULATORY INFORMATION

In accordance with Regulation (EC) No 1272/2008 on the classification, packaging and labeling of hazardous substances and mixtures, which introduced the CLP/GHS classification and labeling system:

Classification

Hazardous to the aquatic environment, category-Chronic 3, H412 Harmful to aquatic life with long lasting effects.

Marking elements

H412 Harmful to aquatic life with long lasting effects.

Additional marking

EUH208 Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one [DCOIT]. May cause an allergic reaction.

Precautionary notices

P273 Avoid release to the environment.

P501 Dispose of contents / packaging in accordance with local / national / international regulations.

## 11. ECOTOXICOLOGICAL INFORMATION

Based on experiences and existing information, when used properly, negative effects on health are not known. Avoid uncontrolled disposal into sewers and waterways.

## 12. DISPOSAL METHOD

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

## 13. OTHER INFORMATION

If the contractor when installing the material observes a defect, they are obliged to stop the works and notify the manufacturer, which will in the shortest possible period consider the complaint. Complaints to the manufacturer after installing a large part or the entire amount of material, concerning the characteristics which could have been identified during the installation process cannot be subject to complaint.

## 14. NOTE

Banja Komerc Bekament DOO performs control of the products through their own laboratory as well as routine testing in certified laboratories. The technical data sheet is a product of our knowledge and practical experience so far, and should serve to all users as a recommendation for achieving the best results. If the weather and other conditions are different from those in our instructions, it is necessary to take our instructions as general guidelines, without warranty for installation.

Bekament Banja Komerc DOO is not liable for damages resulting from improper use or incorrect product selection, as well as for poorly executed works. It is assumed that the contractor mastered the techniques of installation and use of various products. The written instructions are not in any way binding for us.

This document replaces all previous versions, which as of the above date of making of this one are considered invalid.

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