

## 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

**Trade name of the product:** BK-SuperFlex PU

**Information about the manufacturer:**

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## 2. DESCRIPTION AND AREA OF APPLICATION

BK-SuperFlex PU is a professional, high quality, one-component polyurethane sealant that cures in the presence of moisture, with exceptional adhesion. BK-PU SuperFlex is a permanent sealant, simply applied with a gun. It is used for bonding dilatation joints in the floors, indoors and outdoors.

**Advantages:**

- High mechanical efficiency.
- Permanently elastic.
- Paintable with water-based paints.
- Extreme adhesive properties.
- Intended for metal and mechanical constructions, shipbuilding, refrigeration plants, automotive and auto-mechanical industry, trailers, mobile houses, air and rail industry.
- Can be used for filling out joints before installation of the BK-Hidrostop. waterproofing coating.

**Limits:**

- No suitable for PE, PP, PC, PMMA, PTFE, soft plastic, neoprene and bitumen substrate.
- Not suitable for combining with chlorides.
- The white mass may turn yellow under conditions of exposure to UV rays.

## 3. COMPOSITION

**Chemical composition:** Compound based on polyurethane.

**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>	0,70
<b>Application temperature, °C</b>	5-40
<b>Curing time, mm/day(23°C/50% RH)</b>	3,0
<b>Extrusion, %</b>	<10
<b>Shore A hardness (DIN 53505)</b>	45
<b>Temperature resistance, °C</b>	-30 do 70
<b>Shear resistance, N / mm<sup>2</sup> (ISO 4587)</b>	±1,4
<b>Film forming time, min (23°C/55% RH)</b>	70
<b>Appearance</b>	Paste
<b>Color</b>	Characteristic
<b>Odor</b>	White, gray, brown, black
<b>Spill, mm (ISO 7390)</b>	<3
<b>Package, ml</b>	300

#### 5. BASE SURFACE

The base surface must be firm, clean and dry, without loose parts, oil stains and the like. It is recommended to test adhesion prior to application.

#### 6. PREPARATION AND APPLYING

When applying BK-SuperFlex PU 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-PU SuperFlex is paintable with water-based paints after the sealant is dry completely. Sealants are naturally elastic, which allows them to expand and compress within the joint. Since the colors are mainly intended to be applied to the hard, fixed surfaces, and that often they are not compatible with the elastic properties of the sealant, it is recommended to test the compatibility of the paint before application. Sealants are permanently elastic, so if a coat of paint does not have sufficient elasticity to withstand deformation as much as the sealant, that may cause cracking and peeling of paint.

## 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.

Shelf life: 12 months if stored as recommended in the original, unopened packaging. Store in dry places.

## 9. PERSONAL PROTECTION

Protection of the airways: In case of brief exposure use protective mask. In case of intensive or longer exposure use device for respiratory protection, independent of the surrounding air.

Protection of hands and body: Use protective gloves (impervious to the product). After each work break wash hands with water and apply protective cream. Use work clothes with long sleeves and legs and shoes covering the whole foot. Eye protection: Wear safety goggles that lay tightly against the face.

## 10. 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.

## 11. DISPOSAL METHOD

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

## 12. 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.

## 13. 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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