

<b>TECHNICAL DATA SHEET</b>	Edition:2	Version:2
<b>SiproFix BK-90</b>	<b>RZ-TLP-015-01</b>	<b>Date: 27.12.2021.</b>
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## 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

### Trade name of the product:

SiproFix BK-90

### Details about the manufacturer:

Banja Komerc Bekament DOO  
 Kralja Petra Prvog 132  
 Arandjelovac  
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### Contact for TDS preparation:

e-mail: laboratorija@bekament.com

## 2. DESCRIPTION AND SCOPE

SiproFix BK-90 is a cement adhesive intended for laying ceramic tiles on absorbent floor and wall interior surfaces. It is used for laying absorbent ceramic tiles (absorbance $\geq$ 5%) of standard formats. SiproFix BK-90 is classified in group C1 according to EN 12004.

## 3. COMPOSITION

**Chemical composition:** Grey Portland cement, polymer binder, additives, mineral filler.

**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, grey Portland cement is a hazardous substance. The product is therefore classified a hazardous one with the following label: Hazard

## 4. TECHNICAL CHARACTERISTICS

<b>Bulk density, g/dm<sup>3</sup></b>	1100-1300
<b>Adhesion hardness, MPa (EN 1348)</b>	$\geq$ 0,5 (according EN 12004)
- <b>Initial</b>	$\geq$ 0,5 (according EN 12004)
- <b>After standing in water</b>	$\geq$ 0,5 (according EN 12004)
- <b>After temperature aging</b>	$\geq$ 0,5 (according EN 12004)
- <b>After a freeze-thraw cycle</b>	$\geq$ 0,5 (according EN 12004)
<b>Adhesion hardness after 20 min-</b>	$\geq$ 0,5

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<b>Open time, MPa (EN 1346)</b>	
<b>Indecative consumption, kg/m<sup>2</sup></b>	~3-5 depending on the substrate thickness and application
<b>Packaging, kg</b>	25

**5. OTHER CHARACTERISTICS**
**Appearance:** Grey powder

**Wet adhesive pH value:** 11-13

**6. SUBSTRATE**

The surface to which the adhesive is applied must be firm, clean, and dry, without poorly bound parts, greasy stains, etc. The following surfaces are appropriate: cement-lime mortars (at least one month old), concrete surfaces (at least three months old), gypsum-cardboard panels, fiber-cement panels, etc. Filling in the cracks 5-6 mm can be done with adhesive 24h before laying the tiles. Filling in larger cracks and leveling out in greater thickness must be done using mortar BK-Mal 220 mortar, not adhesive.

Before laying the tiles it is recommended to coat with BK-Bond substrate, dulited according the instruction, in order to improve the adhesion. When it comes to old and uneven absorbing substrates, as well as when it comes to porous highly absorbent surfaces, it is necessary to coat the substrate with dulited BK-Bond, min. 4h before laying the tiles. In case of laying tiles on surfaces infected with wall mold, it is necessary to disinfect with BK-Sanicide.

SiproFix BK-90 is not suitable for use on surfaces coated with waterproofing coatings.

**7. PREPARATION AND APPLICATION**

Preparation of the mass is performed by lightly adding the powder into about 25-27 % of water (approx. 6.5 l of water to 25 kg powder), with intensive stirring using an electric blender until the mass becomes fully homogenized. The mass must be left to set for at least 10 minutes. After that, stir yet again and, if needed, add water in order to set the appropriate adhesive consistency.

The adhesive is applied using a notched trowel onto the surface. The usual length of teeth is 4 to 6mm when attaching normal ceramic tiles 10-25 cm in size. Tools with larger teeth are used for attaching larger tiles. When laying mosaic and smaller tiles, smaller tools with shorter teeth must be used. Press the tiles into the layer of adhesive on the substrate. When applying the adhesive, make sure that at least 65% of the tile surface is covered with adhesive. In the case of laying the tiles on loaded surfaces, as well as in the case of laying the tiles of larger formats, apply the adhesive with a notched trowel on the back of the tile, which creates a larger contact surface between the glue and the tile (min. 90%). Open time of the adhesive applied under normal conditions (T=+23-25 °C, relative humidity=50-60%) is at least 20 minutes, so the surface to which the adhesive is applied during installation must be planned accordingly. Tiles should be laid while the adhesive is fresh (before crust formation. The

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stated open time is considerably shortened in the conditions of higher temperatures, absorbent surfaces, wind, etc. When working with highly absorbent tiles, they must be previously soaked in water. The prepared adhesion mass is good for use up to 2 hours, depending on conditions at installation. Air and surface temperature during installation should be in the +5 °C to +25 °C range. High moisture and low temperatures may lengthen the drying time. Under normal conditions it takes 24 hours of drying for the surface to be able to support light walking and grouting. Under normal conditions it takes 7 days of drying for the surface to be fully functional.

**8. CLEANING OF 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.

**9. HANDLING AND STORAGE**

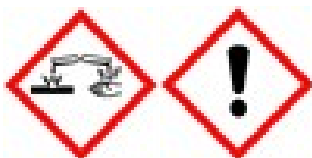
The material must be transported in sealed bags. If the product is used in closed rooms, make sure the space is well ventilated. Protect your eyes and skin when working with wet adhesive due to an alkaline reaction. Keep out of reach of children. Store the material in dry rooms, on pallets, protected from moisture. Shelf life: 12 months.

**10. PERSONAL PROTECTION**

Respiratory tract protection: In case the process causes excessive dust, use a face mask. Hands and body protection: Use safety gloves. Wash hands using water each time the work is interrupted. Use long-sleeve work overalls. Eye protection: Use safety goggles in order to protect the eyes from the dust and wet adhesive.

**11. REGULATION INFORMATION**

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, grey Portland cement is a hazardous substance. The product is therefore classified a hazardous one with the following label: Hazard



Hazard

Skin irritation, Category 2: H315

Skin sensitization, category 1: H317

Heavy eye damage, Category 1: H318

Specific target organ toxicity - single exposure, respiratory tract irritation, category 3: H335

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**H-labels:**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation

**P-labels:**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Seek medical advice/opinion.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**12. 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 waterways because an alkaline reaction may occur.

**13. DISPOSAL METHOD**

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

**14. OTHER INFORMATION**

If the contractor notices an aesthetic or application deficiency while using the adhesive, 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.

**15. 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 supersedes all previous versions, which are considered invalid from the

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