

# ANTI-KOROZIN BB

*Acrylate-based coloured coating, used for protection of concrete and reinforced concrete surfaces*

*Compliant to EN 1504-2, method 1.3 (C) – surface protection against ingress, method 2.2 (C) – moisture control, method 8.2 (C) – increased resistance*

## FIELD OF APPLICATION

It is used for anti-corrosive and decorative finish of new, old and repaired concrete surfaces. It is recommended for protection of infrastructure objects and other reinforced concrete structures exposed to atmospheric influences, ice, salt, carbonation of concrete and mild chemical aggression; Example: bridges, tunnels, retaining walls, "New Jersey" barriers, reinforced-concrete façade elements, silos, industrial facilities, factory chimneys, port facilities, etc.

Using Antikorozin BB enables effective and long-lasting protection of objects and significantly prolongs the exploitation period of objects, without the need for reparation works.

## PROPERTIES

- One-component coloured paste;
- Enables excellent adhesion to substrate;
- Prevents the process of carbonisation of concrete;
- Waterproof;
- Vapour permeable;
- Non-toxic;
- Easy to apply;
- Decorative, available in a variety of colours (including signal colours);
- Resistant to ice, salt, saline water, atmospheric impacts and UV radiation;
- Excellent coverage;
- Excellent durability;
- Economical;

## TECHNICAL FEATURES

PROPERTY	METHOD	DECLARED VALUE
Appearance	-	coloured paste-like compound
Density	EN ISO 2811-1	(1.35 – 1.41) g/cm <sup>3</sup>
Vapour permeability	ISO 7783	Class I, SD < 5 m
Capillary absorption	EN 1062-3	< 0.1 kg/(m <sup>2</sup> ·h <sup>0,5</sup> )
Adhesive strength (bond)	EN 1542	≥ 1.5 MPa
Thermal compatibility (freezing/ thawing with deicing salts)	EN 13687-1	≥ 1.5 MPa
CO <sub>2</sub> permeability	EN 1062-6	SD>50m
Reaction to fire	EN 1350 -1	Class B-S1, d0

## METHOD OF APPLICATION:

### SUBSTRATE PREPARATION

Antikoroziin BB is applied on a substrate made of concrete, reinforced concrete, cement mortar, etc. The substrate should be sound, clean, grease-free and dust-free, without unstable areas. The ambient and substrate temperature during application should range between +5°C and 35°C.

If the concrete surfaces have segregations, damaged areas or pores, they should be repaired with polymer-cement repair mortar Reparatur Malter F or Adingpoks Akva. In order to achieve smooth concrete surfaces (free of surface pores), they need to be skimmed with Reparatur Glet or Hidroglet F.

### APPLICATION AND CURING

Application is carried out by using a paint roller (in two layers) or by *airless* spraying until achieving the unified cover and appearance of the surface. For the first layer, the material should be diluted by adding 5% to 10% water and mixing with a slow mixer until homogenous mixture is obtained. The second layer should be applied once the first layer has completely dried. The second layer should be applied perpendicularly (90°) to the first coating.

After application, fresh layer of Antikoroziin BB should be protected against rain and strong draught for a period of 24 hours.

## CONSUMPTION

Application by brush or paint roller: 0.40 – 0.5 kg/m<sup>2</sup>

Application by *airless* spraying: 0.30 – 0.40 kg/m<sup>2</sup>

## CLEANING

The tools and equipment should be cleaned with water immediately after use.

## PACKAGING

In plastic buckets of 20 kg.

## STORAGE

In a dry area, in original, closed packaging, at temperature between 5°C and 35°C, protected from exposure to direct sunlight and freezing.


Shelf life 12 months.

## STANDARD COLOURS

RAL 7032; RAL 7046; RAL 7047; RAL 9003.

Note: Part of the remaining RAL colours is available upon request for orders of at least 90 kg.

## CE MARKING

 2032	
<b>ADIND AD Skopje</b> <b>Novoselski pat (Str. 1409) no. 11, 1060</b> <b>Skopje, North Macedonia</b> <b>13</b> <b>GGCB0XX/9</b> <b>EN 1504-2:2004</b> <b>ANTIKOROZIN BB</b> <b>Anticorrosive coating for surface protection of concrete</b> <b>against ingress and for moisture control</b>	
<b>Vapour permeability:</b>	<b>Class I,SD &lt; 5 m</b>
<b>Capillary absorption:</b>	<b>w &lt; 0.1 kg/m<sup>2</sup>·h<sup>0,5</sup></b>
<b>Thermal compatibility</b> <b>Part 1:</b> <b>Freezing/ thawing</b> <b>with de-icing salts</b>	<b>Bond strength after 50</b> <b>freezing/thawing</b> <b>cycles</b> <b>≥ 1.5 N/mm<sup>2</sup></b>
<b>Bond strength by pull-off adhesion</b> <b>test:</b>	<b>≥ 1.5 N/mm<sup>2</sup></b>
<b>CO2 permeability:</b>	<b>SD&gt;50m</b>
<b>Fire reaction:</b>	<b>Euroclass B</b> <b>Class B-S1,d0</b>
<b>Dangerous substances:</b>	<b>Properties not</b> <b>determined</b>

**Health hazards:** Avoid contact of the product with skin and eyes, as well as direct inhalation. In case of accidental contact with the skin, immediately remove it by using water and soap. If the material splashes into the eyes, rinse them immediately with plenty of water and seek medical attention. If swallowed, seek medical attention.

**Fire:** The release of dangerous substances in case of fire, not determined.

**Cleaning and disposal:** Loose residues of Antikorozin BB should be cleaned with water. Old and used packaging should be disposed of in accordance with the local rules and regulations for that type of waste.

We recommend that the method of application and the necessary quantities be adjusted to the conditions on the site, as well as mandatory use of appropriate equipment.