

## Bicote® Special

### Water-based bitumen waterproofing emulsion

#### Description

Water-based bitumen waterproofing emulsion with aggregates

#### Fields of application

- Protection and waterproofing of construction surfaces to be backfilled
- Creation of water vapour barrier on terraces and roofs
- Bonding of polystyrene insulation boards

#### Properties - Advantages

- Excellent adhesion on concrete surfaces
- Very good resistance to chemicals (dilute acids, alkalis), as well as temperature fluctuations
- User-friendly - diluted with water



#### Packing

18kg

#### Colour

BLACK

#### Technical characteristics

Density (EN ISO 2811-1)	1,02kg/L (±0,1)
<b>Consumption: 1kg/m<sup>2</sup> for two layers (unreinforced system) / ~3-4kg/m<sup>2</sup> for reinforced system</b>	

#### Application conditions – Curing details

Application temperature (ambient - substrate)	+5°C min. / +35°C max.
Drying time	2-6 hours (depending on the application thickness and the prevailing atmospheric conditions)

## Instructions for use

### **Substrate preparation**

The surface must be stable, clean, dry, protected from rising moisture and free of dust, oil, grease and loose materials. Any poorly adhering materials and older coatings should be removed, and the surface should be thoroughly cleaned mechanically or chemically. Depending on the substrate, appropriate mechanical preparation may be required, to smooth the irregularities, open the pores and create the optimum conditions for adhesion. The surfaces should be sufficiently flat, smooth, and continuous (i.e., without holes, cracks, bays, etc.). In the opposite case, they should be treated accordingly (e.g. by proper puttying).

### **Application**

After thorough stirring, **Bicote® Special** is applied by roller, brush or airless spray in one or more layers. For surfaces that are to be waterproofed with the material, the first (priming) layer of **Bicote® Special** is recommended to be applied diluted 50% with water. The second (and every subsequent) layer is applied after the drying of the previous one, diluted up to 30% with water, if necessary.

In cases of waterproofing of terraces and roofs, after the substrate preparation, it is recommended to apply five consecutive layers of **Bicote® Special** with the specially designed non-woven polyester fabric **Neotextile®** embedded between the third and the fourth layer. For the protection of the waterproofing coating from the sun and the weather conditions, as well as for the purpose of solar radiation reflectance, it is recommended to apply the hybrid waterproofing coating for roofs **Neorooft® BM** or other appropriate elastomeric waterproofing coating for roofs in the white colour shade (e.g. **Neorooft®**, **Silatex® Super**) after ~1 month has passed from the application of **Bicote® Special**.

## Special notes

- **Bicote® Special** should not be applied under wet conditions, or if wet conditions or rainy weather are expected to prevail during the application or the curing period of the product
- Substrate temperature during application and curing must be at least 3°C above dew point to avoid condensation issues
- Cementitious surfaces (e.g. concrete) may be smoothened with a mixture of **Bicote® Special** – sand (in a ratio 1:2) and cement, while local repairs of voids, gaps, etc. may be done with a mixture of **Bicote® Special** – sand (in a ratio 1:4)
- In cases of walkable roofs prior to tiling, it is recommended to broadcast quartz sand on the last layer of **Bicote® Special**, while it is still fresh
- The durability of the waterproofing system is enhanced by the increase of the total dry film thickness, which may be achieved through the application of an additional layer or layers.
- Especially in cases of roof waterproofing, for the release of any trapped water vapour of the substrate, it is recommended to apply air vents in the whole roof's surface per 20-25m<sup>2</sup>
- **Bicote® Special** is not recommended to be exposed to solar radiation

<b>Appearance</b>	Viscous paste
<b>Colours</b>	Black
<b>Packing</b>	18kg in plastic pails
<b>Cleaning of tools – Stains removal</b>	By water immediately after application. In case of hardened stains, by mechanical means
<b>Volatile organic compounds (V.O.C.)</b>	V.O.C. limit acc. to the E.U. Directive 2004/42/CE for this product of category AiWB: 140g/l (Limit 1.1.2010) - V.O.C. content of the ready-to-use product <140g/l
<b>UFI code</b>	K6J0-G09T-5004-4CA0
<b>Storage stability</b>	2 years, stored in its original sealed packing, protected from frost, humidity and exposure to sunlight

The information supplied in this datasheet, concerning the uses and the applications of the product, is based on the experience and knowledge of NEOTEX® SA. It is offered as a service to designers and contractors to help them find potential solutions. However, as a supplier, NEOTEX® SA does not control the actual use of the product and therefore cannot be held responsible for the results of its use. As a result of continual technical evolution, it is up to our clients to check with our technical department that this present data sheet has not been modified by a more recent edition.

**HEADQUARTERS - PLANT**  
V. Moira str., Xiropigado  
**LOGISTICS SALES & CENTER**  
Loutsas str., Voro

P.O. Box 2315, GR 19600  
Industrial Area Mandra  
Athens, Greece  
T. +30 210 5557579

**NORTHERN GREECE BRANCH**  
Ionias str., GR 57009  
Kalochori, Thessaloniki, Greece  
T. +30 2310 467275