

# BERLING BITUMINOUS EMULSION

Bituminous water-based emulsion for the development of water vapor barrier



11.2023 V.03

High quality and special composition bituminous emulsion brown in color and pulp in form. Suitable for the insulation of surfaces, the development of water vapor barrier, as well as the use as a substrate before the application of acrylic coatings. This product is an excellent choice for the insulation of various types of surfaces but also for the smoothing of the substrate of sport fields. Ideal for concrete and bituminous substrates.



**Stir well before use**



**Coverage:**  
From 800 gr to  
1800 gr / m<sup>2</sup>



**Drying time:**  
Touch dry from 2  
to 4 hours



**Thinning**  
with water at a  
range of 20-30%  
w/w



**Paint:**  
Roller



**Paint:**  
Brush



**Paint:**  
Raclette

## Product Characteristics

- Water-based bituminous mixture with water and special additives.
- High adhesion.
- High resistance in rising humidity.
- High resistance to stress.
- High flexibility.
- Low slipperiness.
- Ideal adhesion on almost all surfaces (concrete, metal, wood).

## Packaging:

19 Kg  
220 Kg



The above information is based on laboratory audits and the long experience of the scientific staff of the company. The quality of the product is guaranteed by the company's operating system which is based on the requirements of ISO 9001, ISO 45001, ISO 14001 and the EMAS regulation. As producers we are not responsible for any damage or damage caused in the event that the product has not been used for the appropriate application and in accordance with its instructions for use.

BERLING SA- Paint Industry  
Inofita Viotias, P.C. 32011, Greece  
tel.: +30 22620 31663, fax.: +30 22620 31293  
www.berling.gr /en info@berling.gr

## Technical Specifications



<b>Density</b>	1,12 ±0,02 gr/ cm <sup>3</sup>
<b>Suggested Performance</b>	From 800 gr to 1800 gr / m <sup>2</sup> depending on the absorbance, roughness and the possible surface irregularities. (Finished surface).
<b>Drying</b>	Touch dry from 2 to 4 hours depending on weather conditions. Thoroughly after at least 48 hours. (Time may be lengthened depending on temperature and humidity).
<b>Recoating</b>	After 24 hours depending on weather conditions. (The referred time may be lengthened depending on weather conditions).
<b>Dilution</b>	Diluted with water at a range of 20 - 30% by weight until the desired viscosity is reached.
<b>Chemical Strength</b>	During physical drying process the film that is formed is not affected by weak acids or alkali solutions as well as various corrosive chemicals. On the contrary, it has no resistance to petroleum products.



### Storage

Storage indoors to avoid exposure to high or low surfaces and high humidity conditions. Avoid sources of heat, radiation, static electricity, and storage near food. Keep container tightly closed. After opening can use product in a short period of time. Close the can well.



### Safety Instructions- Prevention of environmental harming

Minimize paint wastage by estimating how much paint you will need. Recover unused paint for reuse. Reuse of paint can effectively minimize the products life cycle environmental impact. Clean tools with water and soap. Do not put residual paint down the kitchen sink or toilet or into a waste bin. Empty cans with paint residues should be handled the same way and disposed according to local Regulations. You should ask for advice for the local government section responsible for the collection and disposal of waste. Ask for advice from an authorized body for waste recovery. Wear protective gloves and goggles/ Do not eat, drink when handling the product. Wash wand with suitable cleaning products. Keep out of reach of children. Always read the can label before use.  
**For further information ask for the Safety Data Sheet of the product.**

The above information is based on laboratory audits and the long experience of the scientific staff of the company. The quality of the product is guaranteed by the company's operating system which is based on the requirements of ISO 9001, ISO 45001, ISO 14001 and the EMAS regulation. As producers we are not responsible for any damage or damage caused in the event that the product has not been used for the appropriate application and in accordance with its instructions for use.

BERLING SA- Paint Industry  
Inofita Viotias, P.C. 32011, Greece  
tel.: +30 22620 31663, fax.: +30 22620 31293  
www.berling.gr /en info@berling.gr

## Recommended application systems



### Exterior surfaces

- Sport fields

#### Surface Preparation

The surface must be dry, free from grease, salts, dust, flimsy, and extraneous matter. The substrate humidity before the start of work should be less than 4%. The substrate should be sufficiently durable for the specific sports activities to be performed on it. In case of repainting of already painted courts, the surface should be rubbed with a machine (e.g., mosaic machine No. 12 hard) to clean the surface thoroughly from the powders and then follow the procedure as described above. Then apply two coatings of Elastic Stadium Color Berling in the desired shade.

#### Application Instructions

The application is carried out at ambient temperatures from 12°C to 30°C and maximum relative humidity 75%. Do not apply on wet surfaces or when there is a possibility for rain during the following 48 hours. Before use and application as a substrate of sport fields, add in the Bituminous Emulsion Berling quartz sand granulometry 0-0.3 mm at a rate of 25 - 50% depending on the irregularities of the substrate and water in a rate 20-30% and stir well until the mixture be well homogenized. Then apply/spread the product to the substrate by trowel. Stir the mixture frequently during the coating work. Depending on the irregularities of the substrate, as well as to achieve higher mechanical strengths it is recommended to apply a second coating crosswise with the first.

The above information is based on laboratory audits and the long experience of the scientific staff of the company. The quality of the product is guaranteed by the company's operating system which is based on the requirements of ISO 9001, ISO 45001, ISO 14001 and the EMAS regulation. As producers we are not responsible for any damage or damage caused in the event that the product has not been used for the appropriate application and in accordance with its instructions for use.