

## **MASTIGUM 10- Elastic bitumen mastic**

Cat no. 230

Version: 3/10

### **Product Description**

**Mastigum 10** is a bituminous elastomeric sealant of superior waterproofing properties, flexibility and elasticity in a wide range of temperatures (-10°C to 100°C).

Application is simple and easy, required no heating. **Mastigum 10** is also suitable for application on vertical surfaces. It is applied cold, and is neither intoxicating nor flammable.

### **Application**

**Mastigum 10** is used to waterproof showers or patio floors (prior to tiling) and basement walls.

### **Technical Specifications**

<b>Appearance:</b>	Brownish – black paste – like, shiny
<b>Specific weight:</b>	1.18 gr/ml
<b>Viscosity:</b>	Over 40,000 CPS
<b>Solid contents (%):</b>	65
<b>Fluidity at 80°C:</b>	Non-skid, non-fluid
<b>Fluidity at -15°C:</b>	Does not crack
<b>Resistance to water spray:</b>	No noticeable change in the film after subjection to water spraying for 72 hours.
<b>Resistance to ponding water:</b>	<b>Mastigum 10</b> is resistant to ponding water maintaining bonding to infrastructure
<b>Resistance to water pressure: (2mm thickness film)</b>	1 atmosphere for 48 hours.
<b>Elongation:</b>	1000%
<b>Recovery: (after 500% elongation)</b>	90%
<b>Resistance to impact:</b>	Good

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### **Method of application:**

Before application, clear the surface thoroughly to remove all dirt. Roll with cement mortar at all wall-floor seams.

1. **To waterproof bathrooms & shower floors prior to tiling:**
  - a. Apply a coat of **Mastigum Primer**, using 300 gr/sqm, over horizontal surfaces and the rolled seams. Allow to dry 1-3 hours.
  - b. Apply a coat of **Mastigum 10** on the horizontal surfaces and rolled seams. Use 1.5 kg. of **Mastigum 10** per square meter. Allow to dry for 6-8 hours.
  - c. Apply a second coat of **Mastigum 10**. Use 1.5 kg. per one square meter. Allow to dry 24 hours.
  - d. Fill in sand, lay the tiles, or lay ceramic tiles directly onto the sealing layer through adhesion.
  
2. **To waterproof small patio floors prior to tiling:**

General: The infrastructure shall be a stable concrete infrastructure and not foamed concrete (light concrete).

- 2.1 Apply or spray a coat of Mastigum Primer using 250-300 gr/m<sup>2</sup>, over the horizontal surfaces and the rolled seams. Allow to dry for 1-2 hours.
- 2.2 Apply a coat of **Mastigum 10** on the horizontal surfaces and the rolled seams. Use 1.5 kg/m<sup>2</sup> of **Mastigum 10**. Allow to dry for 4-6 hours.
- 2.3 Apply a second coat of **Mastigum 10**, 1.5 kg/m<sup>2</sup>. Allow to dry for 12 hours.
- 2.4 Apply (or apply by brush) a third coat of **Mastigum 10**, Using 1.5 kg/m<sup>2</sup>. In case this is the final coat, Allow to dry for 5 days (without rain) prior to tiling. In case there are additional coats, allow to dry for 6-8 hours.
- 2.5 In case of patio floor bigger than 10 m<sup>2</sup>, apply forth layer of **Mastigum 10**, 1.5 kg/m<sup>2</sup>. Allow to dry for 5 days (without rain) prior to tiling.
- 2.6 In case of patio floor bigger than 15 m<sup>2</sup>, sink Polyfabric (polyester fabric) in the fresh material between second and third coats.
- 2.7 In case of bigger patio floors, advise with the producer.
- 2.8 Fill in sand and lay the tiles, or lay ceramic tiles by direct adhesion onto the sealing layer.

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### 3. To waterproofing basement walls:

- 3.1 If the basement floor was sealed with bitumen sheets, apply low heat over the sheet to deposit the dirt and bring out melted bitumen. Apply a coat of **Mastigum Primer** over the sheets and over the basement walls prior to applying **Mastigum 10**.
- 3.2 Apply a coat of **Mastigum 10** on the surfaces. Use 1.5 kg/m<sup>2</sup>. It is recommended to brush thoroughly the first layer of **Bitumastic** towards the substrate (also when applied by spraying), in order to prevent formation of bubbles. Allow to dry for 6 hours.
- 3.3 Apply a second coat of **Mastigum 10** as in step 'b'. Allow to dry for 12 hours.
- 3.4 In case of deep basement with high waterable, apply a third coat of **Mastigum 10** as in step 'b'. Allow to dry for 12 hours.
- 3.5 Spread a Geotextile Matt, 200 gr/sqm, over the waterproofing layer and then, spread protection and drainage sheet made of HDPE as "Bitudrain T-15" prior to covering. Alternatively, cover the waterproofing layer with foamed polystyrene boards, 3 cm thick, for protection of the water proofing layer, prior to covering.

**Consumption** 1.5 kg. per 1 square meter in each layer.

**Drying Time** To touch 6-8 hours. Final drying – one week.

**Packaging** 200 kg. 18 kg. 4.5 liter.

#### **Notes:**

- Do not store in cans at temperatures under 5°C.
- The surfaces will be dry for at least 3 days before applying the **Mastigum** system.
- This product is ready for application and should not be diluted. If it is slightly thick, mix manually or mechanically to dilute it.
- Use a brush or a roller to apply the product.
- When concrete screed is needed to be applied on top of the waterproofing system, spread 2 polyethylene sheets, 0.2 mm thick, on top of the dry waterproofing system prior to casting of concrete.
- Clean tools with water, immediately after use, and then with turpentine.
- Do not apply the product on basement walls or patio floors if rain is expected in the next 4 days.



The instructions that appear on the product are based on knowledge and experience amassed over the years. We reserve the right to change these instructions without prior notification. The operator is responsible for keeping informed of the latest updates. These instructions are solely recommendations and do not constitute liability for the product. Prior to use, the user must check the product's suitability, and the application and environmental conditions that meet his specifications. If in doubt, please contact us and we will be happy to instruct you.