

## 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).

- a. 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.
- b. 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.
- c. Apply a second coat of **Mastigum 10**, 1.5 kg/m<sup>2</sup>. Allow to dry for 12 hours.
- d. 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.
- e. 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.
- f. 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.
- g. In case of bigger patio floors, advise with the producer.
- h. 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:**

- a. 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**.
- b. 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.
- c. Apply a second coat of **Mastigum 10** as in step 'b'. Allow to dry for 12 hours.
- d. 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.
- e. 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.