

MASTIGUM SPEED- Quick Drying Dual Component Elastic Bitumen Mastic

Cat no. – Component A – 232, Component B - 233

Version 02/22

Product Description

Mastigum Speed is a bituminous elastomeric dual component sealant for quick drying. The product consists of a paste component (component A) and a powder component (component B). **Mastigum Speed** offers superior waterproofing properties, flexibility and elasticity in a wide range of temperatures (-10°C to 110°C). Application is simple and easy, required no heating. The quick drying property of **Mastigum Speed** allows performance of sealing through flooding test at the end of 36 hours from completing the application. **Mastigum Speed** is also suitable for application on vertical surfaces. It is applied cold, and is neither toxic nor flammable.

Application

Mastigum Speed is used to waterproof basement walls, showers and patio floors (prior to tiling) and roof gardens (by adding special anti root agent). **Mastigum speed** can be applied by airless spray, brush or trowel.

Technical Specifications

	Mastigum Speed properties:
Appearance:	Brownish – black paste-like, shiny
Specific weight:	1.12 gm/ml
Viscosity:	≥ 14,000 Cps.
Solid contents (%):	65
Fluidity at 80°C:	Non-skid, non-fluid
Flexibility at –15°C:	Does not crack
Resistance to water spray:	No noticeable change in the film after subjection to water spraying for 72 hours.
Resistance to ponding water:	Mastigum speed is resistant to ponding water after drying period of 36 hours.
Resistance to water pressure:	A dry 3mm film of Mastigum Speed resist water pressure of 1 atmosphere for 72 hours.
Elongation:	1000%
Recovery: (after 500% elongation)	85%
Resistance to impact:	Good

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Method of application:

General:

Application should be performed on a stable, clean and dry concrete (not foamed concrete) that was casted minimum 30 days prior to application.

Remove intensively all loose particles. Walls and floor meeting corners should be rounded. Narrow and deep holes should be filled, using cement mortar.

Prior to application, clean the surface thoroughly to remove all dirt.

Preparation of the components for application:

Pour the powder component (B) into the paste component (A) slowly and continuously, constantly mixing the paste component with a mixer mounted on an electrical drill.

Mix the mixture thoroughly for 2 minutes, until a smooth paste free of lumps is obtained. From this moment, the product can be applied for up to 60 minutes from completing the mixing process (in case of brush or trowel application). In case of spray application, you have to apply the material within 20 minutes after mixing.

Do not wait any longer to avoid thickening of the paste.

Sealing Procedure:

1) To waterproof basement walls:

- a) If the basement floor was sealed with bitumen membranes, apply low heat over the sheets to deposit the dirt and bring out melted bitumen. Apply 300 gm/m² of **Mastigum Primer**, diluted with water in a ratio of 1:1, on top of the fresh bitumen membranes prior to applying **Mastigum Speed**.
- b) Spray a layer of **Mastigum Speed** on the surfaces. Use 4.5 kg/m² of **Mastigum Speed**. Allow to dry for 3 days.
- c) In case thicker membrane is needed, apply two layers of 3.5 kg/m² **Mastigum Speed**. The second layer will be applied 5 - 18 hours after the application of the first layer. Apply 250 gm/m² **Primer 116**, diluted with water in a ratio of 1:2, between the two layers, let it dry for 1 - 2 hours prior to the application of the second layer of **Mastigum Speed**. Allow to dry for 5 days.
- d) Spread a geo-textile fleece in weight of 200 gm/m² over the waterproofing layer and then spread protection membranes such as **Protect 5** prior to covering.

2) To waterproof bathrooms & shower floors prior to tiling:

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- a. Apply **Primer 116**, diluted with water in a ratio of 1:2, 300 gm/m², over horizontal surfaces and the rolled seams. Allow to dry 1 hour.
- b. Apply a layer of **Mastigum Speed** on the horizontal surfaces and rolled seams. Use 2 kg/m² Of **Mastigum Speed**. Allow to dry for 2-3 hours.
- c. Apply a second layer of **Mastigum Speed**. Use 2 kg/m². Allow to dry for 12 hours.
- d. Fill in sand and lay the tiles, or lay ceramic tiles directly onto the sealing layer through adhesion.

3) To waterproof tiled roofs:

General:

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

- a. Apply 250 gm/m² of **Aquapoxy**.

Drying time:1-2 hours. In case of a porous concrete, apply additional layer of **Aquapoxy** in quantity of 150-200 gm/m² .Allow to dry 1-2 hours.

- b. Apply a layer of **Mastigum Speed** on the horizontal surfaces and the rolled seams. Consumption : 2.25 kg/m² for roofs up to 15 m², 3.00 kg/m² for roofs bigger than 15 m².

Allow to dry for 3-4 hours.

- c. Apply **Primer 116**, diluted with water in a ratio of 1:2, in consumption of 200 gm/m², let it dry for 20 - 30 minutes.

- d. Apply a second layer of **Mastigum Speed**. consumption - 2.25 kg/m² for roofs up to 15 m², 3.00 kg/m² for roofs bigger than 15 m². Allow to dry for 3 dry days.

- e. Apply Primer 116, 300 gm/m²,and spread 150 gm/m² geotextile fleece onto the fresh material. Let it dry for 16 hours.

- f. Fill in sand and lay the tiles, or lay ceramic tiles by direct

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adhesion onto the geotextile fleece.

4. To waterproof roof gardens:

follow the instructions for waterproofing of tiled roofs , while adding Anti Root agent to the Mastigum Speed (one small can for every pail).

A day after spreading the geotextile fleece, spread HDPE smooth membranes, 0.55 mm (Protect 5) onto the horizontal and vertical surfaces. the overlaps width will be 10 cm and should be sealed with Butyl tape with thin HDPE foil on top. The same treatment should be given to the edge of membranes in the parapet walls, after smoothing the concrete and applying Primer 116 (300 gm/m²).

Apply appropriate drainage membranes on top of HDPE smooth layer and fill the soil.

Consumption	1.5- 5.0 kg/m ² in each layer.
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Drying Time	To touch 2-3 hours. Final drying – 3 days.
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Packaging	Component A: 15.3 kg. Component B: 2.7 kg.
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| Notes: | <ul style="list-style-type: none">• A flooding test can be conducted at the end of 36 hours from completing the application.• Do not store in cans at temperatures lower than 7°C.• Use airless sprayer, brush or a trowel to apply the product.• Clean tools with water, immediately after use, and then with turpentine.• 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. |
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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.