

FLEXIGUM – Two- Components Elastomeric Waterproofing Material for Spraying Application.

Version 12/21

Cat. No. 333

Product Description:

Flexigum is a two-components elastomeric waterproofing material of the highest quality, to be applied by spraying.
Flexigum is based on a special bitumen emulsion, enriched with high concentration polymeric latex of the highest quality. The polymeric latex endows **Flexigum** with an especially high elasticity and resistance to a wide range of temperatures.
Flexigum is approved with SII Green label (Standards institution of Israel).

Uses:

Flexigum is used for waterproofing of basement walls, tunnels, basement floors and large concrete decks.

Technical Specifications:

Specific Weight (gm/ cm ³) :	1.02
Crack bridging capability (3 mm thick), mm:	> 3
Adhesion to concrete (MPa)	> 0.80
Elongation (%):	> 1,600
Resistance to water pressure – 4 mm thick membrane, 1 atm, 48 hours :	No leakage
Heat resistance:	100 °C
Cold flexibility:	- 20 °C

Application:

Surface preparation:

The surface for application should be free of any dirt, dust, grease and unstable parts. Narrow and deep holes or segregating areas should be filled with polymer modified cement mortar. The final surfaces will not be rough.

Flexigum is supplied in 1000 kg containers or 200 kg drums.

Flexigum is to be thoroughly mixed in the container, prior to use. Spraying may be immediately started following the installation of the spraying machine and deployment of hoses.

Spraying is performed through two nozzles, one of which sprays **Flexigum** while the other sprays a water solution with coagulant material.

Flexigum and the coagulant solution are sprayed simultaneously through the nozzles and these two components fans meet in the air.

BITUM LTD

Main: 4 Ha'Yetzira st. Haifa, 2629004 | Tel: +972-4-8416217 | Fax:+972-4-8416217

Sales&Logistics center: Petah Tikva | Tel: +972-3-6227123 | Fax:+972-3-6227131



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Application:

Coagulation of **Flexigum** upon meeting the coagulant solution is immediate and results in a solid elastomeric bitumen layer while clean water is discharged. Since a solid layer of **Flexigum** is created on the surface area, a higher thickness (4 – 6 mm) may be obtained in the course of continuous spraying.

Flexigum application may be performed at a temperature higher than 7 °C. The characteristic thickness required for the basement walls is as follows :

- Up to 4 meter depth in well drained soils, or as sealing & protecting layer for concrete elements (columns, beams, etc.) : 3 mm
- In non-drained soils, with water pressure:
- up to 5 meter depth : 4 mm
- at 5 - 7 meter depth : 5 mm
- at 7 - 10 meter depth : 6 mm
- at higher depth under water pressure, polyester mat should be used to reinforce the Flexigum (Please refer to the manufacturer).

Please refer to the manufacturer for any other application.

After proper drying period, Flexigum should be covered with geotextile mat, 200 gm/m² and then with smooth HDPE membrane, 0.5 mm thick (protect 5), on top of it.

Covering capacity:

A **Flexigum** dry layer of 1 mm thickness may be obtained from 1.75-2.00 kg/m² of liquid **Flexigum**(Depend on wind conditions and abstention of spraying around the designated element).

Drying time:

4 days for basement walls;

5 days for basement floor or floored area.

During the winter season, drying time should be extended by 1 or 2 additional days, whereas the day count includes dry days only.

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Packaging:

1000 kg containers, 200kg drums.

Cleaning:

The spraying gun should be cleaned in turpentine immediately after applying of **Flexigum**.

Notes:

1. **Flexigum** should not be stored in temperature lower than 5 °C.
2. **Flexigum** should not be swallowed. **Flexigum** should be kept away from children.
3. In case of application of **Flexigum** on retaining walls, the internal wall will be casted with high workability concrete. Sprayed concrete should not be applied for that purpose.

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.

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