

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

Cat. no. 333

Version 6/15

Product Description

Flexigum is a two- components elastomeric sealing 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.

Uses

Flexigum is used for sealing basement walls, tunnels, basement floors and large decks.

Technical Specifications

Specific Weight (gr./ cm²) :	1.02
Crack bridging capability (3 mm thick), mm:	> 3
Adhesion to concrete (MPa)	> 0.30
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 enriched cemented plaster.

Application :

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

Flexigum is to be thoroughly mixed in the container, prior to use.

The application of **Flexigum** is very easy and effective. 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.

FLEXIGUM – Two- Components Elastomeric Sealing Material for Spraying Application.
Cat. no. 333

Version 6/15

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

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, 0.55 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.

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 Made by casting high workability concrete and not by spraying concrete.