

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

Cat. No. 337

Version 01/16

### **Product Description**

**Flexigum HP** is a two- components Elastomeric sealing material of the highest quality, to be applied by spraying.

**Flexigum HP** is based on a special bitumen emulsion, enriched with high concentration polymeric latex of the highest quality. The polymeric latex endows **Flexigum HP** with an especially high elasticity and resistance to a wide range of temperatures.

### **Uses**

**Flexigum HP** is used for sealing bridge decks or bellow asphalt pavements.

### **Technical Specifications**

	Test method	Determined value
Crack bridging ability	EN 1062-7	No failure was registered at 2.5 mm width of crack
Water resistance	EN 15817	No change in water colour occurred No separation of layers occurred
Flexibility at low temperature	EN 15813	No cracking
Dimensional stability at high temperature	EN 15818	No decline nor scattering caused by flow occurred
Resistance to compression	EN 15815	47.1 %

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### **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.

#### **Method of application :**

**Flexigum HP** is supplied in 1000 kg containers or in 200 kg. barrels.

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

The application of **Flexigum HP** 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 HP** while the other sprays a water solution with coagulant material.

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

Coagulation of **Flexigum HP** 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 HP** is created on the surface area, a higher thickness (3 – 6 mm) may be obtained in the course of continuous spraying.

#### **Application under asphalt pavement:**

- Spread geotextile fabric, 250 gr/m<sup>2</sup> over the compacted ground, with overlaps of 10cm. Spray **Flexigum HP** (only the liquid, without coagulant) in quantity of about 600gr/m<sup>2</sup> over the 10cm strip of the overlap, allow to dry for 20-30 minutes and stick the two adjacent fabrics.
- Spray **Flexigum HP** in thickness of 3mm over the geotextile fabric. Drying time: 5 days.
- Spread another layer of geotextile fabric, 250 gr/m<sup>2</sup>, over the whole area of **Flexigum HP**, while the overlaps will be located at list 50cm from the overlaps of the underlayer geotextile fabric.
- Spread a layer of clay soil, 5-10cm thickness, over the upper geotextile fabric and compact it. Afterwards, you can continue working with the basecoats.

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### **Application**

#### **Application over bridge deck, under asphalt pavement:**

- The concrete surface will be cleaned and all dirt removed.
- Spray a layer of liquid **Flexigum HP Primer**, in quantity of 300 gr/m<sup>2</sup>, over the concrete deck. Allow to dry for 20-40 minutes.
- Spray **Flexigum HP** in dry thickness of 4mm (7kg/m<sup>2</sup>). Allow 5 days for drying.
- Spray a layer of liquid **Flexigum HP** in quantity of 300 gr/m<sup>2</sup> over the dry **Flexigum HP**, allow drying for 20-40 minutes and spreading a non woven polyester fleece in weight of 180 gr/m<sup>2</sup> over the **Flexigum HP**.
- Spray the appropriate bituminous emulsion (used for road paving) over the polyester fleece, allow to dry. Compact the polyester fleece with a regular road compactor and apply the hot mix asphalt layer.

### **Covering capacity**

A **Flexigum HP** dry layer of 1 mm thickness may be obtained from 1.75 kg/ sqm of liquid **Flexigum HP**.

### **Drying time**

4 days for basement walls ;

5 days for basement floors or bridge decks.

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, 200 kg. barrels.

### **Cleaning:**

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

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### **Notes:**

1. **Flexigum HP** should not be stored in temperature lower than 5°C.
2. **Flexigum HP** application may be performed at a temperature higher than 7°C.
3. **Flexigum HP** should not be swallowed. **Flexigum HP** should be kept away from children.

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.