

## PRODUCT DATA SHEET

## Flexoplast®

## HIGH BUILD, FIBRE REINFORCED BITUMINOUS PROTECTIVE COATING

## DESCRIPTION

Flexoplast® is a single component protective coating of pasty consistency based on graded reinforcing fibres carried in bituminous binders.

Suitable for tropical and hot climatic conditions.

## USES

Flexoplast® is used to protect both concrete and metal surfaces from soil and earth attack and where a thicker barrier is required.

For example:

- Civil engineering foundations
- External basement walls
- Retaining walls, etc.

## CHARACTERISTICS / ADVANTAGES

Flexoplast® is easily applied to both dry and damp surfaces. Other beneficial properties are:

- Ready to use, no mixing or heating
- Excellent adhesion to concrete & metal
- Non-sag on vertical surfaces
- Good resistance to soil acids, salt-water attack
- Bridges shrinkage cracks
- Unaffected by frost

## PRODUCT INFORMATION

|                         |  |              |
|-------------------------|--|--------------|
| Chemical Base           | Bitumen containing synthetic reinforcing fibres  |              |
| Packaging               | 20 L and 200 L drums   |              |
| Colour                  | Dark Brown<br>Black when dry   |              |
| Shelf Life              | 12 months from date of production when stored properly in original unopened containers.            |              |
| Storage Conditions      | Store in original sealed packaging, in cool and dry conditions under shade between 5 °C and 40 °C. |              |
| Density                 | at +25 °C  | ~1.04 kg/L   |
| Solid content by weight | ~60 %  | (ASTM D2939) |

## APPLICATION INFORMATION

|                    |   |           |
|--------------------|---|-----------|
| <b>Consumption</b> | Depending on type of structure and degree of protection required:<br>0.7 – 1.0 L/m <sup>2</sup> / coat, with minimum 2 coats are recommended, and then thickness can be built-up from 1 mm and up to 3 mm by adding more coats. |           |
| <b>Pot Life</b>    | Tack free   | 5 - 10 h  |
|                    | Full cure   | 1 - 3 d * |
|                    | *depending on climate & coat thickness (at +25 °C)  |           |

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LIMITATIONS

- For a completely non-porous, damp roof coating always apply 2 coats.
- Maintain minimum substrate temperature of +5°C.
- Avoid applying in direct sunlight.
- For very porous surface, thin with water to a maximum of 5%, and use as primer.

## ECOLOGY HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

All surfaces must be clean, free from standing water and all loosely adhering particles. Steel surfaces should be thoroughly degreased and free from rust and scale. Bare metal should be primed.

### APPLICATION METHOD / TOOLS

Drums might need to be stirred well before use if stored for long time.

#### **Trowel: (for building thick layer)**

Apply 1<sup>st</sup> coat with notched trowel (tooth size 2 - 3 mm). The second coat is then applied by standard flat trowel in a 45° cross direction.

#### **Brush or Roller: (for thin smooth finish)**

Thin coats can also be applied using paint brush or roller. You can also apply thick coat with brush or roller by using high consumption, but you may not distribute the material evenly and would not have homogenous thickness. Always apply minimum two coats in cross directions.

Allow to dry 1-3 hours between coats until touch dry.

### CLEANING OF TOOLS

Clean all tools and equipment immediately after use with water or thinner

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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### PRODUCT DATA SHEET

Flexoplast®  
May 2021, Version 01.01  
02070630100000097

Flexoplast-en-PK-(05-2021)-1-1.pdf