

# PRODUCT DATA SHEET

## Feb<sup>®</sup> Febflor<sup>®</sup> Heatflex

A self-levelling compound for use with underfloor heating

### PRODUCT DESCRIPTION

Feb<sup>®</sup> Febflor<sup>®</sup> Heatflex is a fibre and polymer- reinforced, flexible, ultra-high strength cement-based self-levelling compound, designed specifically for use with underfloor heating and for application over wooden floors. Also suitable for application over existing concrete and screeding, brick, stone, unglazed ceramic tiles, plastic sheet DPC and epoxy membranes. Foot trafficable within 3 hours, can be tiled after 4-5 hours.

### USES

As a levelling compound for existing wooden and concrete floors where underfloor heating is present.

### CHARACTERISTICS / ADVANTAGES

- Heat resistant - suitable for use with underfloor heating.
- Flexible - designed for use over wooden floors.
- High strength.
- Rapid setting - can be tiled over in approx 4 hours.
- Added fibres - will not crack or shrink even in the most demanding applications.

### APPROVALS / STANDARDS

- Tested for strength to BSEN 13892-2
- Tested to EN13813 Class CT-C25-F5-AR0.5

### PRODUCT INFORMATION

<b>Packaging</b>	20kg bag
<b>Shelf Life</b>	6 months from date of manufacture when stored as recommended by the manufacturer
<b>Storage Conditions</b>	Store in cool (5°C - 25°C) dry conditions, as for Portland Cement
<b>Density</b>	ca. 1.8 g/cm <sup>3</sup>

### APPLICATION INFORMATION

<b>Mixing Ratio</b>	20kg of Feb <sup>®</sup> Febflor <sup>®</sup> Heatflex will require 4.2–4.4 litres of water
<b>Consumption</b>	20kg of Feb <sup>®</sup> Febflor <sup>®</sup> Heatflex mixed with 4.4 litres of water will cover approximately 2.4m <sup>2</sup> at a depth of 5mm, depending on substrate.
<b>Layer Thickness</b>	2mm - 30mm
<b>Ambient Air Temperature</b>	4°C to 35°C
<b>Pot Life</b>	20 - 30 minutes at 20°C
<b>Waiting Time / Overcoating</b>	Approx 4 hours at 20°C

# APPLICATION INSTRUCTIONS

## SUBSTRATE QUALITY / PRE-TREATMENT

### UNDERFLOOR HEATING

The heating unit must be switched off and allowed to cool down prior to application (48 hours minimum). Heating cables must be fastened to a non-flammable underlay with hot-melt adhesive. Always use rendering mesh when applying over wooden floors. After application the heating must NOT be turned on for at least 48 hours. When turned on temperature must be increased slowly on a daily basis.

### TIMBER / PLYWOOD / CHIPBOARD

Suitable for use over plywood, chipboard and tongue-and-groove boarding. All timbers must be free from release agents and must be fixed firmly with screws at 15cm centres to substrate or joists. Prepare surface by priming with a bonding coat of neat Febond® PVA. Apply Feb® Febflor® Heatflex whilst still tacky. Do not allow bonding coat to dry.

### CONCRETE/SCREEDS

New concrete must be allowed 4 weeks minimum drying time. Surface must be free of dirt and loose dust particles. Prepare surface by dampening with water and then prime with Febond® PVA diluted 1 part with 3 parts clean fresh water. Apply Feb® Febflor® Heatflex whilst bonding coat is still tacky.

### EXISTING CERAMIC TILES

Degrease and clean tiles. Prepare surface by priming with a bonding coat of neat Febond® PVA. Apply Feb® Febflor® Heatflex whilst bonding coat is still tacky. Do not allow bonding coat to dry.

### EXISTING PLASTIC DPM SHEET/EPOXY MEMBRANES

Apply Feb® Febflor® Heatflex (mixed as directed) directly to substrate. NOTE: as surfaces are non-porous, drying times will be significantly extended.

## MIXING

20kg of Feb® Febflor® Heatflex will require 4.2 – 4.4 litres of water. DO NOT USE EXCESS WATER. Always add the powder to water. This should be carried out by stepwise addition whilst stirring until a free-flowing creamy compound is produced. Allow to stand for 2 mins then re-mix before application.

## APPLICATION

Pour the mixture out onto the prepared floor and allow it to find its own level. Trowel down lightly to achieve an overall thickness not exceeding 30mm. For a greater depth, allow to dry (24 hrs) then build up in layers, priming (1:3 with Febond® PVA) between layers. When used with underfloor heating, cover heating cables with a min. 5-10 mm of Feb® Febflor® Heatflex depending on the capacity of the cables and the stability of the underlay (see instructions from manufacturer of cables).

## CLEANING OF TOOLS

All tools and equipment should be cleaned with water

## VALUE BASE

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

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## 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.

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### Product Data Sheet

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