

## PRODUCT DATA SHEET

# Sika® FastFix-134 TP

Bedding mortar for stone setts, concrete blocks, pavers and repair mortar for small fast repairs in concrete roads

### DESCRIPTION

Sika® FastFix-134 TP is a ready to use one component cementitious bedding mortar for stone setts, concrete blocks and pavers in trafficked or pedestrian areas. It can be used for patch repairs on concrete roads.

### USES

Bedding mortar for stone setts, concrete blocks and pavers for trafficking and non-trafficking areas and for small repair in concrete roads.

- Trafficked roads
- Pedestrian areas
- Car parks and driveways
- Streets
- Gardens and landscaping

### CHARACTERISTICS / ADVANTAGES

- Fast setting
- Excellent adhesion to pavers, natural stone setts, concrete blocks
- Good resistance to freeze/ thaw cycles and to de-icing salts (CDF method)
- High mechanical properties
- High impact resistance
- Resistance to hydrocarbons

### APPROVALS / CERTIFICATES

- CE Marking and Declaration of Performance to EN 1504-3 - Concrete repair product for structural repair
- Meets the requirements of ZTV-Wegebau: Category of use N1-N3

### PRODUCT INFORMATION

|                     |  |
|---------------------|--|
| Composition         | Cement, selected aggregates and special admixtures                             |
| Packaging           | 25 kg bag  |
| Appearance / Colour | Grey powder  |
| Shelf life          | 12 months from date of production  |
| Storage conditions  | Store in undamaged und unopened, original sealed packaging, in dry conditions. |
| Density             | Fresh mortar density: ~2.3 kg/l  |
| Maximum Grain Size  | D <sub>max</sub> : 4 mm  |

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Sika® FastFix-134 TP

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## TECHNICAL INFORMATION

|   |                                  |   |              |
|---|----------------------------------|---|--------------|
| <b>Compressive Strength</b>                   | <b>Curing Time<sup>(1)</sup></b> | <b>Compressive Strength<sup>(2)</sup></b> | (EN 12390-3) |
|   | 24 hours                         | ~35 N/mm <sup>2</sup>                     |              |
|   | 7 days                           | ~76 N/mm <sup>2</sup>                     |              |
|   | 28 days                          | ~99 N/mm <sup>2</sup>                     |              |
| <sup>(1)</sup> Curing at 20 °C and 100 % r.h. |                                  |   |              |
| <sup>(2)</sup> Prism 40 mm × 40mm × 160 mm    |                                  |   |              |
| <b>Tensile Strength in Flexure</b>            | <b>Curing Time<sup>(1)</sup></b> | <b>Flexure Strength<sup>(2)</sup></b>     | (EN 12390-5) |
|   | 24 hours                         | ~6 N/mm <sup>2</sup>                      |              |
|   | 7 days                           | ~8 N/mm <sup>2</sup>                      |              |
|   | 28 days                          | ~10 N/mm <sup>2</sup>                     |              |
| <sup>(1)</sup> Curing at 20 °C and 100 % r.h. |                                  |   |              |
| <sup>(2)</sup> Prism 40 mm × 40mm × 160 mm    |                                  |   |              |
| <b>Tensile Adhesion Strength</b>              | ~4 MPa                           |   | (EN 1542)    |

## APPLICATION INFORMATION

|                                |                                      |                         |
|--------------------------------|--------------------------------------|-------------------------|
| <b>Mixing Ratio</b>            | 1.9 litres of water for 25 kg powder |                         |
| <b>Yield</b>                   | ~12 litres of mortar per 25 kg bag   |                         |
| <b>Layer Thickness</b>         | 10 mm minimum / 150 mm maximum       |                         |
| <b>Ambient Air Temperature</b> | 5 °C minimum / 35 °C maximum         |                         |
| <b>Substrate Temperature</b>   | 5 °C minimum / 35 °C maximum         |                         |
| <b>Pot Life</b>                | <b>Temperature</b>                   | <b>Time</b>             |
|                                | 5 °C                                 | > 2 hours               |
|                                | 20 °C                                | ~2 hours                |
|                                | 30 °C                                | ~45 minutes             |
| <b>Initial Set Time</b>        | <b>Temperature</b>                   | <b>Initial Set Time</b> |
|                                | 5 °C                                 | 12 hours                |
|                                | 20 °C                                | 5 hours and 45 minutes  |
|                                | 30 °C                                | 4 hours                 |
| <b>Final Set Time</b>          | <b>Temperature</b>                   | <b>Final Set Time</b>   |
|                                | 5 °C                                 | 14.5 hours              |
|                                | 20 °C                                | 7.5 hours               |
|                                | 30 °C                                | 4.5 hours               |

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be structurally sound and free of all dirt, loose and friable particles, laitance, oils and grease or other contaminants.

The substrate must be thoroughly pre-dampened but ensure there is no standing water on the surface prior to application.

The specifications of the ZTV-Wegebau must be observed.

### MIXING

Sika® FastFix-134 TP can be mixed with a low speed (~300 rpm) hand drill mixer.

Pour the recommended water in a suitable mixing container. While stirring slowly, add the powder to the water and mix thoroughly at least for 3 minutes until a homogeneous mix is obtained.

## APPLICATION

As a bedding mortar, pour the Sika® FastFix-134 TP and spread it with a trowel. Then, place the pre-wetted setts in the correct position by slightly pressing them in the bedding mortar.

Wait minimum 24 hours before grouting the joints with Sika® FastFix-133 TP.

A suitably qualified engineer must be responsible for the design of the expansion joints.

## CURING TREATMENT

Protect against evaporation, frost and rain until the material has achieved its final setting/hardness.

## CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use. Hardened material can only be mechanically removed.

## IMPORTANT CONSIDERATIONS

- Do not add water over recommended dosage
- Apply only to prepared substrate
- Protect freshly applied material from freezing for at least 24 hours
- Do not apply over frozen substrates
- Specifications of ZTV-Wegebau must be observed.

## BASIS OF PRODUCT DATA

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 the exact product data and uses.

## 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. Further notes and information data sheets on product safety and disposal can be found on the Internet at [www.sika.de](http://www.sika.de).

## 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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