

## PRODUCT DATA SHEET

# Sika® FastFix-133 TP

Pavers, concrete blocks and setts joint mortar

### DESCRIPTION

Sika® FastFix-133 TP is a one component, ready to use, cementitious jointing mortar containing cement, selected aggregates and additives.

### USES

For joint grouting of pavers, concrete blocks, cobblestones, setts and paving flags in both trafficked and non-trafficked areas including:

- Squares, car parks, pedestrian streets
- Lanes
- Tramways
- Gardens, sidewalks etc.

### PRODUCT INFORMATION

<b>Composition</b>	Cement, selected aggregates and additives
<b>Packaging</b>	25 kg bag
<b>Appearance / Colour</b>	Grey powder
<b>Shelf life</b>	12 months from date of production
<b>Storage conditions</b>	Store properly in undamaged and unopened, original sealed packaging in dry conditions.
<b>Density</b>	Fresh mortar density: ~ 2.00 kg/l
<b>Maximum Grain Size</b>	D <sub>max</sub> : 1.6 mm

### CHARACTERISTICS / ADVANTAGES

- Fast setting with minimised cracking behaviour due to controlled expansion
- Good bond to pavers, concrete blocks, cobblestones, setts and paving flags
- Good resistance to freeze / thaw and de-icing salts (CDF method)
- High compressive and flexural strengths
- Good resistance to impact and cracking
- Good resistance to hydrocarbon oils

### APPROVALS / CERTIFICATES

- Meets the requirements of ZTV-Wegebau: Category of use N1-N3

## TECHNICAL INFORMATION

Compressive Strength		+10 °C	+20 °C	+30 °C	(EN 196-1)
	24 hours	6 MPa	32 MPa	40 MPa	
28 days	55 MPa	70 MPa	70 MPa		

  

Tensile Strength in Flexure	Time	+10 °C	+20 °C	+30 °C	(EN 196-1)
	24 hours	1.5 MPa	6 MPa	6 MPa	
28 days	8 MPa	12 MPa	12 MPa		

## APPLICATION INFORMATION

Mixing Ratio	~3.75 l of water to 25 kg powder		
Yield	~14 litres of mortar per 25 kg bag		
Ambient Air Temperature	+5 °C min. / +35 °C max.		
Substrate Temperature	+5 °C min. / +35 °C max.		
Pot Life	~ 1 hour 30 minutes at temperatures between +5 °C and +35 °C		
Initial Set Time	+5 °C	+20 °C	+30 °C
	~16 hours	~8.5 hours	~6 hours
Final Set Time	+5 °C	+20 °C	+30 °C
	~19 hours	~10 hours	~6.5 hours
Applied Product Ready for Use	As a guide, opening to traffic is possible at +20 °C within: <ul style="list-style-type: none"><li>▪ 24 hours for pedestrian traffic</li><li>▪ 48 hours for vehicular traffic</li></ul>		

## 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 predampened but ensure there is no standing water on the surface prior to application.

The bedding must be done with a rigid material capable of supporting traffic loads.

The specifications of the ZTV-Wegebau must be observed.

### MIXING

Pour ~ 3.75 l of water into a clean container. Progressively add Sika® FastFix-133 TP whilst mixing slowly to avoid the formation of lumps.

Mix at low speed (~300 rpm) until a fully homogeneous mix is achieved (at least 3 minutes).

### APPLICATION

1. Fill the joint to excess / overflowing.
2. Remove excess material using a scrapper; clean the pavements / pavement with a low pressure water jet, taking care not to force out the fresh material in the joint.
3. After full hardening of the material in the joint, finish the cleaning process using high pressure water jetting.

Note: Cleaning with high pressure water jetting, which also opens the surface, is then carried out between 5 to 24 hours after application.

Preliminary testing on a small scale is always advisable because of the many variable parameters such as weather conditions, contact duration, cleaning process, stone roughness etc.

The specifications of the ZTV-Wegebau must be observed.

### CURING TREATMENT

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

#### PRODUCT DATA SHEET

Sika® FastFix-133 TP

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## CLEANING OF EQUIPMENT

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

## 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.

### Sika Deutschland GmbH

Kornwestheimer Straße 103 - 107

D - 70439 Stuttgart

Telefon: 0711/8009-0

Telefax: 0711/8009-0

E-Mail: [info@de.sika.com](mailto:info@de.sika.com)

[www.sika.de](http://www.sika.de)



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