

## PRODUCT DATA SHEET

# Sika FastFix<sup>®</sup>-430 Road TH

### NON-SHRINKING FIBRE MORTAR FOR QUICK REPAIRING OF ROAD

#### DESCRIPTION

Sika FastFix<sup>®</sup>-430 Road TH is a one-part pre-packaged mortar mix to which water is added on site. It is based on a blend of inorganic cements, modifying additives to control rate of setting, strength gain and minimizes shrinkage. Pre-graded aggregates which provide a non-segregating.

#### USES

- Sealing of hole, manhole cover, trapdoor frame, street furniture.
- Repairs to concrete walkways and roads.
- Bedding for high-traffic paving and road surface.
- Bedding and embed road expansion joint.

#### CHARACTERISTICS / ADVANTAGES

- Fast setting and quick opening to traffic.
- High compressive strength.
- Consistency adjustable with wide range of water
- High early compressive strength ; > 250 KSC after 3 hours, > 300 KSC after 4 hours.

#### PRODUCT INFORMATION

<b>Packaging</b>	25 kg / bag
<b>Shelf life</b>	6 months from the date of production If stored properly in undamaged, original sealed packaging.
<b>Storage conditions</b>	Store in dry conditions and protected from direct sunlight.
<b>Appearance and colour</b>	Grey Powder
<b>Maximum grain size</b>	4 mm.
<b>Density</b>	1.4 - 1.5 kg /L

#### TECHNICAL INFORMATION

Compressive strength	Pure Mortar	3.3L (13.2%) wa-	4L (16%) water	(ASTM C109)
		ter (MPa)	(MPa)	
3 hours	> 25	> 15		
4 hours	> 30	> 20		
1 day	> 40	> 30		
28 days	> 50	> 40		

Tensile strength in flexure	Pure Mortar	3.3L (13.2%) wa- ter (MPa)	4L (16%) water (MPa)	(ASTM C348)
	1 day	> 6	> 5	
	28 day	> 8	> 7	

## APPLICATION INFORMATION

Mixing ratio	Mixing	Sika FastFix -430 Road TH	Aggregate 3/8"	Water (Litres)
	Pure Mortar	1 bag 25 kg	-	3.3 - 4.0
	Micro Concrete	1 bag 25 kg	10 L (~12.5 kg)	3.5 - 4.5
	Micro Concrete	1 bag 25 kg	20 L (~25 kg)	5.5 - 6.5

  

Consumption	Approx. 2 kg of powder for one litre of mortar. For 1 m <sup>3</sup> of mortar approx. 75 x 25 kg bags and 280 litres of water.
Pot Life	10 - 15 min.
Initial set time	15 - 30 min.
Final set time	25 - 35 min.

## 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.

## IMPORTANT CONSIDERATIONS

- Temperature range for use : 5°C to 35°C.
- Do not mix with other product.

## 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 Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

1. Surface must be clean and without any trace of oil, laitance, curing compound, damaged concrete or paint.
2. In case of sealing, material that will be sealed must be clean without any trace of oil or any curing compound.
3. For repairing application, damaged concrete must be removed before applying. Area of application should be within 4 sq.m to avoid overheat during initial - final setting time and application thickness must be at least 20 mm.
4. Damp the surface before application.

### MIXING

1. The quantity of water used depends on the consistency required.
2. Mixing should be carried out as follows by machine mix with recommended speed at 500 rpm.
3. Mixing time : at least 3 minutes or required consistency is obtained.
4. Leave the mixture to stand for 1 – 3 minutes.
5. Do not add water after mixing.

### APPLICATION

#### Sealing

1. In case of large hole, micro-concrete should be used. Use rod or strap to assist the flow of grout if needed.
2. Diameter of hole must not exceed 50-60 mm.
3. Damp the area prior to application.
4. Position the material in the hole and cast the mortar.
5. Pour material into prepared area until completely filled.

#### Micro-concrete

For thickness over 30 mm, Sika FastFix®-430 Road TH should be used as a micro-concrete.

Micro-concrete is made up by adding 10-20 litres of clean, damp 3/8 aggregate for each 25 kg bag of Sika FastFix®-430 Road TH.

#### Repairs to industrial floor, concrete walkway and road

1. Cure the concrete and formwork with clean water.
2. Remove the residual water prior to application.
3. Pour material into prepared area until completely filled.
4. Use rod or strap to assist the flow of grout if needed.
5. Smooth the surface with a trowel.

## CURING TREATMENT

Sika FastFix®-430 Road TH cures with low shrinkage. To prevent premature drying out of the mortar, keep it moist if exposed to strong sunshine and wind. Standard curing methods are recommended.

## CLEANING OF EQUIPMENT

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

## 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.

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