

## PRODUCT DATA SHEET

# SikaPlast®-100 FFT VC

## Accelerator Admixture

### DESCRIPTION

SikaPlast®-100 FFT VC Accelerator for use in precast/Paver industry for improvement of setting time and promoting accelerated hardening.

### USES

SikaPlast®-100 FFT VC is suitable for concreting of the following applications:

- Precast and Pre stressed concrete elements
- Block paving (grey/coloured)
- Cement tiles (grey/coloured)
- Paving flags
- Kerb stones
- Edging and other items for garden and landscape design
- Building blocks and bricks

### CHARACTERISTICS / ADVANTAGES

SikaPlast®-100 FFT VC offers substantial benefits to the precast and semi dry precast concrete producers:

- Efficient dispersion and distribution of cement, additives and pigments
- Improved movement of the concrete through the machine
- Accelerated hardening and high early strength
- Early de moulding
- No adverse effect on ultimate strength
- Sufficient water reduction
- Improved surface finish
- Improved water tightness
- More economic concrete mix designs

### APPROVALS / STANDARDS

Conforms to IS 9103/ ASTM C494

### PRODUCT INFORMATION

<b>Chemical base</b>	Polycarboxylates Ethers
<b>Packaging</b>	20kg, 230kg, 1000kg
<b>Shelf life</b>	12 months from date of production
<b>Storage conditions</b>	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +40 °C. Protect from direct sunlight and frost. Always refer to the packaging. Frost: If frozen or if precipitation has occurred, the Product may be used after thawing slowly at room temperature and intensive mixing.
<b>Appearance / Colour</b>	Colourless to light hazy liquid
<b>Density</b>	~1.01 kg/l at 25°C
<b>pH-value</b>	≥ 6

## APPLICATION INFORMATION

<b>Recommended Dosage</b>	0.5% to 3.0% by weight of cement. Exact dosage rates are dependent on the type of effect sought, quality and quantity of cement, sand grading, W/C and ambient temperature. Actual dosage to be finalised on the basis of site trials. Stir well before use.
<b>Dispensing</b>	SikaPlast®-100 FFT VC can be added into the mixing water or directly into the concrete mixer after 50 – 70% of the mixing water has been added. The addition of SikaPlast®-100 FFT VC to dry aggregate or cement is not recommended. To achieve optimum performance a minimum wet mixing time, which is depending on the mixing conditions and the mixer performance, of 60 seconds is recommended.

## SYSTEM INFORMATION

<b>Compatibility</b>	SikaPlast®-100 FFT VC may be combined with many other Sika® products. Compatible with all types of cements and cementitious materials. Important: Always conduct trials before combining products in specific mixes and combinations.
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## 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

Excessive water addition or overdosing may cause bleeding or segregation.  
If frozen and / or if precipitation has occurred, SikaPlast®-100 FFT VC may be used after thawing slowly at room temperature and after intensive mixing.

## 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.

## 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.

## 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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