

Sikament® FF T (VC)

High performance admixture and compaction aid for wet semi-dry/no-slump concrete products

Product Description

Sikament® FF-T (VC) is a high performance compaction aid for semi-dry/no-slump concrete.
Sikament® FF-T (VC) conforms to IS 9103-1999

Uses

Sikament® FF-T (VC) is used for producing optimised coloured wet, semi-dry/no-slump concrete with a very low water content. Wet, Semi-dry/no-slump concrete production is generally used in the manufacture of machine-made concrete products associated with instant de-moulding such as:

- Block Paving (grey / coloured)
- Cement Tiles (grey / coloured)
- Paving flags
- Kerbstones
- Edgings and other items for garden and landscape design
- Building blocks and bricks

Characteristics / Advantages

Sikament® FF-T (VC) offers substantial benefits to the producer of Wet, semi-dry/no slump concrete products:

- Efficient dispersion and distribution of cement, additives and pigments
- Give high early strength to wet concrete
- Improved movement of the concrete through the machine (faster mould filling)
- Optimised compaction with shorter pressing time and increased output [shorter production cycle]
- Minimized friction between the mould and the concrete [Reductions in equipment wear and tear]
- Reduced adhesion/stickiness between top layer concrete and pressing head/tamper (equipment/tools)
- Increased "green" strength on immediate de-moulding [keeps the shape of freshly de-moulded semi-dry concrete products because it prevents slumping after de-moulding]
- More economic concrete mix designs
- Create superior products

Sikament® FF-T (VC) allows for the following advantages in the finished concrete products:

- Closer textured, smoother and more uniform surfaces (improved surface finish)
- Consistent product quality due to a homogenous concrete mix
- Less variation in densities and strengths across the area of the mould (constant spread of density & strength over the pallet)
- Minimized damage due to early handling
- Consistent early and ultimate compressive and tensile strengths
- Increased freeze-thaw resistance
- Improved durability and life expectancy
- Constant and uniform colour (colour fastness)
- Less customer returns and second grade products

Construction



Tests

Approvals / Standard All values are internal test results according to IS:9103-1999

Product Data

Form

Appearance / Colour Hazy Whitish Liquid

Packaging 20 kg ,200kg

Storage

Storage Conditions / Shelf -Life 15 months from date of production if stored properly in undamaged unopened, original sealed packaging in dry conditions at temperatures between +5°C and +40°C. Protect from direct sunlight and frost.

Technical Data

Chemical Base Modified Poly Carboxylate

Relative Density ~1.02 kg/l at 25°C

System Information

Application Details

Consumption / Dosage 0.5 - 2.0% by weight of cement.
Actual dosage to be finalised on the basis of site trials.

Application Instructions

Mixing In general a mixing time of at least 30 seconds is essential, although the actual mixing time after adding the admixture depends on the individual circumstances and should be determined by trials.

Notes on Application / Limitation Sikament® FF-T (VC) can be added with the mixing water or introduced at the end of the mixing process.
Sikament® FF-T (VC) must not be used for wet cast concrete as this could result in excessive air entrainment and subsequent loss of strength.
Before use suitability tests must be performed.

Value Base

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.

Health and Safety Information

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.

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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