

PRODUCT DATA SHEET

SikaControl®-110 VC

SHRINKAGE COMPENSATING AND FILLER FOR CONCRETE.

DESCRIPTION

SikaControl®-110 VC is a shrinkage compensating and filling admixture used to produce self compacting concrete with reduced potential for void, drying shrinkage, cracking and curling.

USES

SikaControl® -110 VC can be used in any type of cast-in-place or precast/prestressed concrete, grouts, mortars or any other cementitious mixes where high demands are imposed on the quality of fresh and hardened concrete. Some of the applications of SikaControl® -110 VC may include: Concrete floors, to control void, increase compressive strength, compensate for drying and autogenous shrinkage, cracking, control curling and increase joint spacing.

- High stability of green concrete
- Highly increased durability
- Excellent frost and de-icing salt resistance.
- Utilized in topping slabs to minimize cracking.
- For bridge decks and parking structures.
- For durable concrete in marine environments.
- For watertight concrete in reservoirs, sewage treatment plants, and dams.
- For high void grout applications.
- Minimize void in heavily restrained structures.

FEATURES

With the use of SikaControl®-110 VC the concrete will show the following properties:

- Greatly reduced void and cracking potential related to drying and autogenous shrinkage.
- High stability of green concrete
- Highly increased durability
- Excellent frost and de-icing salt resistance
- Increased ultimate strengths
- Increased abrasion resistance
- SikaControl® -110 VC does not contain intentionally added chlorides.

Concreting guidance

The standard rules of placing, are to be followed. Laboratory trials shall be conducted when using a new mix. Fresh concrete must be handled carefully.

Concrete mix design

When using SikaControl® -110 VC, account and local market conditions required, please consult with the manufacturer.

Concrete mixing time

SikaControl® -110 VC should be added to the batching plant before the concrete is mixed. Optimum wet mixing time should be determined.

PRODUCT INFORMATION

Packaging	5 kg bag 10 kg bag
Shelf life	Shelf life is one year when stored in dry warehouse conditions .
Storage conditions	SikaControl® -110 VC should always be stored in a dry environment. Exposed, unprotected material will absorb moisture and carbon dioxide from the air resulting in reduced product performance.
Appearance	White Powder.
Recommended dosage	5 - 10 % by weight of cement.

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.

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.

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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