BUILDING TRUST

PRODUCT DATA SHEET

Sika WT-110 M-id

WATERTIGHT/PLASTICING CONCRETE ADMIXTURE

DESCRIPTION

Sika WT-110 M-id is a combined watertight / plasticising concrete admixture specially designed for mass pouring that usually use flowing / Self Compacting Concrete, used to reduce the water permeability of concrete. The product incorporates Sika® ViscoCrete technology and hydrophobic agent that will produce watertight concrete with a w/c ratio of < 0.45.

USES

Sika WT-110 M-id has been specifically formulated to produce high quality watertight concrete. Sika WT-110 M-id treated concrete is used as a part of the Sika® Watertight Concrete system.
Sika WT-110 M-id is mainly used for the following applications that are using flowing / Self Compacting Concrete:

- Mass Pouring
- Raft Foundation
- Basement
- Swimming pools
- Dams

CHARACTERISTICS / ADVANTAGES

Sika WT-110 M-id has the following characteristics and benefits:

- Higher density, durability and strength.
- Incorporation of hydrophobic agent to reduce water penetration under hydrostatic pressure and water.
- Sika WT-110 M-id improves resistance to vapour.
- Suitable to be combined with flowing / Self Compacting Concrete in Mass Pouring.
- Packaged in a water soluble bag for ease of dosage.

PRODUCT INFORMATION

Composition	Combination Fatty Acid and Polycarboxylate
Packaging	1.75 kg bag water soluble bag (5 bags/sealed plastic tub) 8.75 kg bag plastic non soluble bag (1 bag/sealed plastic tub)
Appearance / Colour	Powder / White
Shelf life	12 months from date of production.
Storage conditions	Store in original unopened and undamaged original sealed containers. Protected from moisture at temperatures between +5 °C and +30 °C.
Bulk density	~0.50 kg/L
Total chloride ion content	Water Soluble Chloride Content < 0.1 % w/w (chloride free)

TECHNICAL INFORMATION

Concrete mix design	▪ Sika WT-110 M-id has been formulated for use in concrete with a high workability (>S3 Consistence) with a minimum cementitious content of 350 kg/m³ and a maximum water/cementitious ratio of 0.45. ▪ Concrete containing Sika WT-110 M-id should have a maximum SCM of not more than 40 %. ▪ Sika WT-110 M-id has been specifically formulated to be combined with high workability (>S3 consistence) with a w/c ratio of < 0.45 at 350 kg/m³.

APPLICATION INFORMATION

Recommended dosage	1.75 kg per m³
Compatibility	Sika WT-110 M-id may be combined with many other Sika products. ▪ Sika® ViscoCrete® Series ▪ Sikament® Series ▪ SikaFume® ▪ Sika® Fibre, etc. Concrete containing Sika WT-110 M-id should have a minimum SCM of not more than 40%. Note: Always conduct trials before combining products in specific mixes and contact our Sika technical service for more information and advice.

APPLICATION INSTRUCTIONS

DISPENSING

- Forced action and truck mixers should be free from all contaminants prior to the batching of concrete containing Sika WT-110 M-id.
- Sika WT-110 M-id should be added to the mixer at the recommended dose (1.75 kg per m³) prior to the batching of concrete.
- On completion of the batching procedure the concrete load should be mixed in the truck mixer / agitator on full revolutions for a minimum of 3 minutes to ensure that the homogeneity has been achieved.
- The w/c ratio and consistence control remains the responsibility of the concrete producer.
- In the event of a part load (< 1.0 m³), it is recommended that 1 bag of Sika WT-110 M-id is used.

IMPORTANT CONSIDERATIONS

Always conduct trials before combining products in specific mixes and contact our Technical Service Department for information and advice about any specific combination. Support from our Technical Department is recommended.

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.

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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