

PRODUCT DATA SHEET

Sika® Stabilizer-110

COMPACTION AID

DESCRIPTION

Sika® Stabilizer-110 is a blend of surfactants and water reducing polymers in an aqueous solution used in the manufacture of drycast concrete and zero slump concrete products. When added into the concrete mix it acts as a manufacturing aid to speed production and enhance product appearance and strength.

Sika® Stabilizer-110 contains no calcium chloride or any other intentionally added chloride containing ingredients. It will not initiate or promote the corrosion of steel in contact with the concrete.

USES

Sika® Stabilizer-110 is recommended for use in all production sizes of concrete blocks, beams, columns, slabs, hollow core slabs and pipe manufactured by drycast or packer-head methods.

CHARACTERISTICS / ADVANTAGES

Sika® Stabilizer-110 is an integral concrete densifying material that acts as a cement dispersant and reduces the use of water. Some of its benefits are:

- Machine productivity will be increased by more rapid filling of form and mold boxes.
- The internal lubricating properties of Sika® Stabilizer-110 reduce the wear on machinery and extend machine life.
- Provides a better form swipe on dryast products.
- Lighter colors will maintain a more uniform, consistent shade and general product appearance will be improved.
- Edges on blocks, columns and pipe will be sharper, more defined and less likely to chip.
- Improves early and final strength of concrete.
- Improves compactability.
- Reduces breakage and culls.
- Extends life of molds and machine parts.
- Enables the use of pozzolans as a cement replacement while providing similar strengths and workability.
- Reduces the need for higher curing temperatures while maintaining early strengths.

PRODUCT INFORMATION

Chemical Base	Surfactants
Packaging	230 kg drum and bulk supply
Appearance / Colour	Colourless or light brown liquid
Shelf Life	12 months from date of production if stored properly in undamaged unopened, original sealed packaging.
Storage Conditions	Store in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost. If settling occurs, the material may be re-stored to its original condition by agitating thoroughly.
Density	~1.02 kg/liter @ 25°C
pH-Value	≥ 6

APPLICATION INFORMATION

Recommended Dosage	0.2% to 1% by weight of cement. Actual dosage to be finalised on the basis of site trials.
Compatibility	Sika® Stabilizer-110 is compatible with most admixtures manufactured to IS & ASTM Specifications, most cements & pozzolans.
Dispensing	Add the correct amount of Sika® Stabilizer-110 at the batch plant. Add manually or by automated dispenser into the water line. Do not mix with dry cement.

LIMITATIONS

Sika® Stabilizer-110 is not recommended for use in the manufacture of high-slump concrete.

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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

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.

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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