

PRODUCT DATA SHEET

INSEE IS - 221

MID-RANGE WATER REDUCING CONCRETE ADMIXTURE

DESCRIPTION

INSEE IS-221 is a newly developed admixture for concrete with mid-range reducing effect.

USES

- Easy for producing concrete
- Where increased workability is required
- Use for increase flowability and softness of concrete

CHARACTERISTICS / ADVANTAGES

- Water reduction up to 15%
- Improved utilization of cement
- Improved watertight
- Better improvement for final strength
- Compensates for slow early strength gain achieved by cement replacements (PFA, GGBFS)
- Increased workability and placeability
- Longer slump retention

APPROVALS / CERTIFICATES

Complies with ASTM C494 Type A & D

PRODUCT INFORMATION

Packaging	200 l/drum 1,000 l/tote or bulk
Shelf life	12 months from the date of production If stored properly in undamaged, original, sealed packaging.
Storage conditions	Store in dry conditions, protected from direct sunlight at temperature between 5°C and 40°C.
Appearance and colour	Brown Liquid
Density	1.150 - 1.170 kg/l (at temperature 25°C)
pH-Value	6.0 - 8.0

APPLICATION INFORMATION

Recommended dosage	Recommended dosage 200 - 800 cc. per 100 kg. of cement or cementitious weight. Actual dosage depends on requirements and should be established from laboratory trials. INSEE IS-221 is compatible with all types of Portland Cement, including SRC type and Hydraulic Cement.
Dispensing	Adding the correct amount of INSEE IS-221 at the concrete plant. Addition should be by automatic dispenser into the water line at the batching plant. Do not add directly on to the dry sand or cement.

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

Accidental overdosing of INSEE IS-221 causes an extension of initial and final setting time.

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.

LOCAL RESTRICTIONS

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

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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