

PRODUCT DATA SHEET

SikaPlast®-2008 N

High performance super-plasticizer concrete admixture

DESCRIPTION

SikaPlast®-2008 N is new Technology super plasticiser for self-compacting concrete and mortar. It meets the requirements for super plasticiser according to ASTM C-494 types G and F and BS EN 934-2:2009

USES

Sikaplast®-2008 N is suitable for the production of all types of concrete including basement and road concrete. Sikaplast®-2008 N facilitates extreme water reduction, excellent flowability at the same time optimal cohesion and highest self compacting behaviour. Sikaplast®-2008 N is used for the following types of concrete:

- Ready mix concretes
- Concrete with highest water reduction.
- High strength concrete.
- Hot weather concrete.
- Self compacting concretes.

High water reduction, excellent flowability, coupled with high early strengths, have a positive influence on the above mentioned applications.

FEATURES

Sikaplast®-2008 N acts by different mechanism.

Through surfaces absorption and satirical separation effect on the cement particles, in parallel to the hydration process, the following properties are obtained:

- Strong self compacting behaviour. Therefore suitable for the production of self compacting concrete.
- Extremely high water reduction (resulting in high density and strengths)
- Excellent flowability (resulting in high reduced placing and compacting efforts)
- Improved shrinkage and creep behaviour.
- Reduced rate of carbonation of the concrete.
- Improved water impermeability.

Sikaplast®-2008 N does not contain chloride or other, steel corrosion promoting ingredients it may therefore be used without any restrictions for reinforced and pre-stressed concrete construction.

SikaPlast®-2008 N is especially suitable for use in concrete mixes containing micro-silica and other pozzolanic materials like GGBS and Fly Ash.

The product is suitable for tropical and hot climatic conditions.

PRODUCT INFORMATION

Packaging	5Kg and 20 Kg pails 200 Kg drums Bulk Tanks are available upon request
Appearance and colour	Brownish liquid
Shelf life	12 months from date of production in unopened and undamaged original containers
Storage conditions	In unopened and undamaged original container, protected from direct sunlight and frost at temperatures between +5°C and +35°C
Density	1.055 – 1.085 Kg/l

APPLICATION INFORMATION

Recommended dosage

For ultra-high performance and ready mixes concrete, dosage up to 4.0% by weight of binder.

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.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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