

PRODUCT DATA SHEET

SikaPlast®-82 SCM Impact

Advanced mid-range water reducing admixture for high-volume supplementary cementitious materials concrete

DESCRIPTION

SikaPlast®-82 SCM Impact is an advanced mid-range water reducer, based on an engineered blend of selected polymers, specifically designed for high slag and/or fly ash content concrete mixes. SikaPlast®-82 SCM Impact delivers soft concrete and long slump life with high cement replacement even at extremely low water/binder ratios.

USES

- Reduced carbon footprint concrete
- Post-tensioned concrete with significant cement replacement
- Suspended slab concrete
- Superworkable and self-compacting concrete
- Long-haul sites
- Concrete with manufactured sand

CHARACTERISTICS / ADVANTAGES

SikaPlast®-82 SCM Impact delivers:

- Soft, workable and pumpable concrete at low water/binder ratios
- Enhanced slump life which protects the concrete quality in case of long transport time
- Early strength without activators
- Improved concrete pumpability
- Fast wetting time

PRODUCT INFORMATION

Packaging	Bulk delivery
Appearance / Colour	Clear liquid
Shelf Life	12 months from production date if stored as directed
Storage Conditions	Store at temperature between 5° and 35 °C, protected from direct sunlight and frost.

ENVIRONMENTAL INFORMATION

Product characteristics and benefits: SikaPlast®-82 SCM (Supplementary Cementitious Materials) Impact is a new advanced mid-range water reducer, based on an engineered blend of selected polymers, specifically designed for high slag and/or fly ash concrete mixtures.

Sika customers benefit from:

Increased water cut and improved slump retention when used as a midrange water reducer in high supplementary cementitious materials mixes.

Enhanced rheology in high supplementary cementitious materials and low water to binder ratio mixes, addressing pumpability challenges and lowering down the concrete carbon footprint due to a higher cement replacement rate.

APPROVALS / STANDARDS

- SikaPlast®-82 SCM Impact Provisional Patent Pending.
- SikaPlast®-82 SCM Impact complies with AS1478 standard (MWR type)

Density	1.05 kg/l
Recommended Dosage	Dosage rates will vary according to materials used, ambient conditions and the requirements of a specific project. Sika recommends dosage at 400–1000 ml/100 kg of total cementitious binder for general concrete applications. Dosage rates outside the recommended range may be used where specialized materials such as silica fume (e.g. SikaFume®) are specified, extreme ambient conditions are encountered or unusual project conditions require special consideration. Optimum dosage should be determined by site trials. Please contact your Sika representative for more information and assistance.
Compatibility	SikaPlast®-82 SCM Impact is compatible with all Sika concrete admixtures with the exception of Sikament® NN.

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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