

PRODUCT DATA SHEET

SikaRapid®-950

Low CEMI activator for reduced carbon concrete

DESCRIPTION

SikaRapid®-950 is a powdered admixture for concrete designed to accelerate and activate the strength development of mixes with high levels of supplementary cementitious materials (SCMs) or cement replacement materials.

USES

- Sustainable concrete
- Reduced carbon concrete
- Mix designs with low CEMI content and high levels of cement replacement
- Conventional concrete mix designs with up to 95 % Ground Granulated Blast Slag (GGBS)
- Activator in 100 % GGBS geopolymer systems

FEATURES

- Rapid strength development
- Enables use of reduced CEMI mix designs

SUSTAINABILITY

SikaRapid®-950 is ideally suited for use in concrete where a reduced embodied CO₂ content is required.

CERTIFICATES AND TEST REPORTS

Conforms to the requirements of BS EN 934-2 Table 7, hardening accelerating admixture for concrete

PRODUCT INFORMATION

Packaging	SikaRapid®-950 is supplied in 10 x 1.8 kg soluble bags contained in a water-tight tub made from 100 % recycled plastic
Appearance and colour	White powder
Shelf life	12 months from date of production
Storage conditions	Store unopened in original packaging. Protect from direct sunlight and moisture.
Density	0.73 kg/L
Total chloride ion content	0.10 % w/w (chloride free)
Equivalent sodium oxide	0.10 % w/w (alkali content)

TECHNICAL INFORMATION

Concrete mix design

SikaRapid®-950 allows the use of high levels of cement replacement, for example up to 95 % GGBS, or CIIIC binder type. Please refer to BS 8500-1:2023 and BS 8500-2:2023 for information on specification of this and other low carbon binder types.

APPLICATION INFORMATION

Recommended dosage

Typical dosage is 2.5 % by weight of binder: 1 x 1.8 kg bag per 70 kg binder per concrete cubic meter.

Dosage up to 5 % by weight of binder may be required in some systems.

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.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

MIXING

SikaRapid®-950 is supplied in 1.8 kg soluble bags which should be added directly into the mixer and mixed until thoroughly distributed throughout the concrete.

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 exact product data and uses.

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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ISO 9001, 14001, 45001 – SGS
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Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV
Sika MB Construction Chemicals LLC
Sika Construction Chemicals for Manufacturing LLC
ISO 9001 – LMS
Sika MB LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



Product Data Sheet

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