BUILDING TRUST

PRODUCT DATA SHEET

SikaControl® SRA 100 SA

Expanding plasticising admixture for cement and grout

DESCRIPTION

SikaControl® SRA 100 SA is an expansion system which compensates for plastic shrinkage and settlement in cementitious grouts. Supplied in powder form, Sika-Control® SRA 100 SA produces controlled expansion in cement grouts and maintains high water retention. It contains a water-reducing agent which increases the workability of the mix with a reduced water content, making a stronger grout. Full expansion is achieved before initial setting occurs resulting in a high degree of interfacial contact.

USES

- Ready-mixed or precast concrete structures
- Wet mix shotcrete
- Mortars and grouts

FEATURES

- Improves the free flowing properties of the grout or concrete at low water/cement ratios.
- Increases the volume of the grout or concrete which in turn offsets shrinkage and settlement.

PRODUCT INFORMATION

Composition	Blend of organic and inorganic chemicals
Packaging	SikaControl® SRA 100 SA is available in 20kg bags.
Appearance and colour	Brown coloured powder
Shelf life	Shelf life is 6 month when stored properly.
Storage conditions	Store out of direct sunlight, clear of the ground on pallets protected from rainfall. Avoid excessive compaction. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

TECHNICAL INFORMATION

Expansion	The expansion of grouts containing SikaControl® SRA 100 SA is sufficient to overcome normal settlement without producing undue pressure against the sides of the duct. The grout therefore forms a firm and uniform bond to the concrete and to the steel along the length of the tendon, and at the same time provides good protection for the cable. The expansion obtained by the use of SikaControl® SRA 100 SA reaches a maximum within 1 - 2½ hours of mixing under average temperature conditions. After this period no settlement occurs, and the grout retains its maximum expansion. Sika-Control® SRA 100 SA produces a maximum expansion of 2% in a 1:1 sand/cement grout.
Chloride content	Nil (EN 934)
Recommended dosage	0.5 % by weight of binder. Other dosages by weight of binder may be used depending on the mix design, raw materials, climatic conditions and concrete requirements. Trial mixes must be performed to establish the exact dosage rate required.

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.

IMPORTANT CONSIDERATIONS

- The expansion obtained by the use of SikaControl® SRA 100 SA reaches a maximum within 1–2.5 hours of mixing under average temperature conditions. After this period no settlement occurs and the grout retains its maximum expansion.
- May be used with ordinary Portland cement or rapid hardening Portland cement.

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.

MIXING

First add the water to the mixer and then the Portland cement, mix thoroughly until the cement has been completely dispersed. Then add the SikaControl® SRA 100 SA and sand (if any is being used), and continue mixing a further 2 minutes or until complete dispersion of the SikaControl® SRA 100 SA is achieved.

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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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.