

## PRODUCT DATA SHEET

# SikaControl® SRA 50

(formerly MasterLife® SRA 50)

Expanding plasticising admixture for cementitious grout and concrete

## DESCRIPTION

SikaControl® SRA 50 is an expansion system which compensates for plastic shrinkage and settlement in cementitious grouts and concrete.

Supplied in powder form, SikaControl® SRA 50 produces controlled expansion and maintains high water retention. It contains a water-reducing agent which increases the workability of the mix with a reduced water content. Full expansion is achieved before initial setting occurs resulting in a high degree of interfacial contact.

Suitable for use in hot and tropical climatic conditions.

## USES

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

## CHARACTERISTICS / ADVANTAGES

- 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

<b>Composition</b>	Blend of organic and inorganic chemicals
<b>Packaging</b>	15 kg bag
<b>Shelf life</b>	9 months from date of production if stored properly
<b>Storage conditions</b>	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5°C and +50°C. Protect from moisture.
<b>Appearance / Colour</b>	Grey powder
<b>Density</b>	~0.85 kg/l (+25 °C)
<b>Total chloride ion content</b>	Nil (EN 934)

## APPLICATION INFORMATION

<b>Recommended dosage</b>	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.
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## 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.
- Internal Reference - Version: MBS\_CC-UAE/Life\_SRA50\_01\_95/v3/11\_14

## IMPORTANT CONSIDERATIONS

- The expansion obtained by the use of SikaControl® SRA 50 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

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.

## APPLICATION INSTRUCTIONS

### 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 50 and sand (if any is being used), and continue mixing a further 2 minutes or until complete dispersion of the SikaControl® SRA 50 is achieved.

## LOCAL RESTRICTIONS

See Legal notes

## 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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