

Product Data Sheet
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Identification no:
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Sika@Control 40
Concrete Admixture

Sika® Control 40

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Product Description Sika®Control 40 is a liquid shrinkage reducing admixture used to produce high performance concrete with greatly reduced drying shrinkage. It meets the requirements of BS 8443.

Uses Sika®Control 40 has been specifically formulated for use in all concrete application where there is a requirement for reduced shrinkage such as high performance flooring, precast, bridge decks, marine structures and watertight construction. Sika®Control 40 is usually used in combination with a superplasticiser from the Sika®ViscoCrete range.

- Characteristics / Advantages**
- Reduced drying shrinkage
 - Reduced drying shrinkage cracking
 - Improved impermeability
 - Improved durability

Product Data

Form

Appearance / Colour Turbid, Red Liquid

Packaging 25 litre drum, 200 litre drum, and 1000 litre IBC

Storage

Storage Conditions / Shelf-Life 12 months from date of production if stored in unopened and undamaged original sealed containers protected from sunlight at temperatures between +5°C and +25°C.

Technical Data

Chemical Base Hydroxyl combination

Density 1.010 kg/litre

pH Value 11.5 ± 1.0

Water Soluble Chloride Content < 0.10% (chloride free)

Alkali Content 0.1% Maximum

Typical Shrinkage Values

Admixture	Dosage	W/C Ratio	Consistence	Air Content (%)	Compressive Strength		Shrinkage compared to Control Mix at 28 days
					7 Days N/mm ²	28 Days N/mm ²	
Control	-	0.588	75mm	2.0	43.5	55.0	-
Sika®Control 40	3.0%	0.588	75mm	1.3	42.0	54.0	65%



System Information

Application Details

Consumption / Dosage ■ 0.5 - 3.0% by weight of cement

Dispensing ■ Sika®Control 40 should be dispensed through suitable calibrated equipment

Application Conditions / Limitations

- Sika®Control 40 should not be added to dry cement
- Sika®Control 40 should be added with the mixing water

Compatibility Sika® Admixtures:

- Compatibility information available on request

Cements:

- All cement combinations

Notes on Application / Limitations Support from our Technical Department is recommended

Value Base 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.

Local Restrictions Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

Health and Safety Information For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet 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.



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