

PRODUCT DATA SHEET

SikaControl® WT-250 P

Water resisting and crystalline waterproofing concrete admixture

PRODUCT DESCRIPTION

SikaControl® WT-250 P is a combined water resisting, crystalline waterproofing admixture. By forming non-soluble materials throughout the concrete's pore and capillary structure, the product seals the concrete permanently against penetration of water and other liquids. It also enhances the self-healing and crack-healing properties of concrete.

USES

Typical applications include:

- Structures containing potable water or waste water
- Basements and other below-ground structures
- Car parks
- Utility or plant rooms
- Tunnels
- Swimming pools
- Water-retaining structures

CHARACTERISTICS / ADVANTAGES

- Reduces water penetration under pressure
- Reduces water absorption
- Enhances the self-healing properties of the concrete
- Improves the resistance to chemical attack
- Reduces vapour transmission

APPROVALS / STANDARDS

Conforms to the requirements of BS EN 934-2 Table 9, Water resisting admixtures

DoC 40656248, certified by Factory Production Control Body 0120 and provided with the UKCA mark

DoP 88241230, certified by Factory Production Control Body 1029 and provided with the CE mark

Regulation 31 - DWI: SikaControl® WT-250 P complies with DWI requirements as it does not contain chemicals other than those given in the "List of Authorised Cement Admixture Components" in Annex 2, Section 2.4 of Regulation 31 of The Water Supply (Water Quality) Regulations 2016. As per Advice Sheet 7, no further testing is required and no extra approval can be issued for this product, if used within the manufacturer's guidelines.

PRODUCT INFORMATION

Chemical Base	Carboxylic acid, hydroxides
Packaging	Tubs of 10 x 1.75 kg soluble bags
Shelf Life	12 months from date of production
Storage Conditions	Store unopened in original packaging in dry conditions at temperatures between +5 °C and +30 °C
Appearance / Colour	Grey powder
Total Chloride Ion Content	<0.1 % (chloride free)
Equivalent Sodium Oxide	<10.0 % (alkali content)

TECHNICAL INFORMATION

Concrete Mix Design

GGBS and other supplementary cementitious content should be limited to 75 % of total binder.

Minimum binder content	350 kg/m ³
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Maximum water : binder ratio	0.45
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SikaControl® WT-250 P contains a superplasticiser, so additional plasticiser dosage should be adjusted to achieve the correct workability.

APPLICATION INFORMATION

Recommended Dosage

2 x 1.75 kg bags per m³

Compatibility

The Product can be combined with other Sika products.
Always conduct trials before combining different products. Contact your local Sika technical service for information.

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.

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

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

DISPENSING

- Forced action and truck mixers should be free from all contaminants prior to the batching of concrete containing SikaControl® WT-250 P
- SikaControl® WT-250 P should be added to the mixer at the recommended dose (2 bags per m³) prior to the batching of concrete
- Concrete should be mixed in the truck mixer/agitator on full revolutions for a minimum of 5 minutes to ensure that the optimum consistence has been achieved.
- Water/binder ratio and consistence control remains the responsibility of the concrete producer. Laboratory trials are recommended to evaluate and confirm the actual water reduction.

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.

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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