BUILDING TRUST

PRODUCT DATA SHEET

Sika® Watertight Concrete Powder

Water Resisting Concrete Admixture

PRODUCT DESCRIPTION

Sika® Watertight Concrete Powder is a combined water resisting and Superplasticising admixture, used to enhance the workability of and reduce the water permeability of concrete, based on hydrophobic pore-blocking technology. It can be incorporated in watertight concrete which is suitable for use in Type B waterproofing (grades 1-3), according to BS 8102:2022.

USES

Sika® Watertight Concrete Powder has been specifically formulated to produce high quality watertight concrete.
Sika® Watertight Concrete Powder is used as a constituent of the Sika ®Watertight concrete system and contact MUST be made with Sika Ltd to ensure that full system compliance is achieved. This Technical Data Sheet MUST be read in conjunction with Sika publication Sika® Solutions for Watertight Concrete.

Typical Applications:
- Water retaining structures
- Below ground structures
- Swimming pools
- Lift pits
- Tunnels

CHARACTERISTICS / ADVANTAGES

- Reduced water absorption and penetration
- In combination with a Sika® ViscoCrete Superplasticiser, self-compacting concrete can be produced
- Reduced shrinkage and creep
- Provided in a water soluble bag for ease of dispensing
- Consistent performance
- Reduced stock and environmental issues at production plant

APPROVALS / STANDARDS

Conforms to the requirements of BS EN 934-2 Table 9
DoP 43202223, certified by Factory Production Control Body 1029 and provided with the CE mark
DoP 16990478, certified by Factory Production Control Body 0120 and provided with the UKCA mark
BBA Agrément Certificate 08/4606

PRODUCT INFORMATION

Chemical Base	Combination Fatty Acid and Polycarboxylate
Packaging	6 x 1.75 kg bags (1 pail)
Appearance / Colour	White powder
Shelf Life	12 months from date of production if stored in unopened and undamaged original sealed containers.
Storage Conditions	Protect from moisture, store at temperatures between +5°C and +25°C.
Bulk Density	0.5 kg/L

Total Chloride Ion Content	<0.1 % w/w (chloride free)
Equivalent Sodium Oxide	<0.4% w/w (alkali content)
Dispensing	▪ Forced action and truck mixers should be free from all contaminants prior to the batching of concrete containing Sika® Watertight Concrete Powder. ▪ Sika® Watertight Concrete Powder should be added to the mixer at the recommended dose (1 bag per m^3) prior to the batching of concrete. ▪ Batched concrete mix constituents should be subsequently batched on to the Sika® Watertight Concrete Powder in accordance with Sika® mix design recommendations. ▪ Additional mixing water should then be dispensed to bring the concrete to the desired consistence and the concrete load should be mixed in the truck mixer/agitator on full revolutions for a minimum of 5 minutes. ▪ Laboratory trials are recommended to evaluate and confirm the actual water reduction.
Compatibility	▪ Compatible with all ViscoCrete®, ViscoFlow®, Sikament® and Plastiment® Plasticisers/Superplasticisers ▪ Other product compatibility information available on request ▪ All cement combinations If used in combination with a Sika® admixtures in the construction of a watertight environment, contact MUST be made with Sika Ltd

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.

LIMITATIONS

Product Guarantees do not cover Sika® Watertight Concrete Powder for use in podium slabs, suspended roof slabs and associated joints.

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.

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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