

PRODUCT DATA SHEET

Sika® Ultrafin-12

Sulphate resistant and low alkaline micro cement for injection

DESCRIPTION

Sika® Ultrafin-12 is a sulphate resistant, chromate reduced and low alkaline portland cement. It is micro cement with maximum particle size, d_{95} , 12 μm .

USES

Cement based injection.

CHARACTERISTICS / ADVANTAGES

For special injections with very high requirements on filtration properties. Special attention and measures required in the mixing and use of the product.

APPROVALS / CERTIFICATES

Sika® Ultrafin-12 complies (with the exception of setting time) with the requirements in SS-EN 197-1, part 1: Composition, Specifications and Conformity Criteria for Common Cements.

Designation in accordance with SS-EN 197-1 and SS 13 42 03 CEM I 52,5 - SR 3 LA.

PRODUCT INFORMATION

Packaging	Bag 20 kg (pallet with 48 bags), big bag 1000 kg and bulk
Shelf life	The reduction of chromate means that it successively loses its effect and Sika® Ultrafin-12 should therefore not be stored for longer than 12 months.
Storage conditions	Sika® Ultrafin-12 is a finely ground product. Its high reactivity makes it more sensitive than normal cement. Storage in environments with damp air or direct contact with ground moisture damages the cement very quickly (within days or weeks) and should therefore be avoided.
Density	Compact density approx. 3100-3200 kg/m ³ Bulk density 800-1500 kg/m ³
Product declaration	Alkaline content, ekv Na ₂ O < 0,6 % by weight Sulphate resistance, C ₃ A ≤ 3,0 % by weight Particle size, d_{95} 12 μm Specific surface (BET), approx. 2200 m ² /kg MgO Max 5,0 % by weight SO ₃ Max 3,5 % by weight Chlorides, Cl Max 0,1 % by weight Sika® Ultrafin-12 is manufactured at CEMENTA's Degerhamn plant using a fine grinding process developed by CEMENTA. Sika® Ultrafin-12 is based on the same raw materials as Anläggningcement.

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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.

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.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets before using any products. 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.

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.