

## PRODUCT DATA SHEET

# SikaControl® E-150

Polymer dispersion for liquid-PROOF concrete

### DESCRIPTION

SikaControl® E-150 is a ready-to-use polymer dispersion for special applications in concrete, especially for liquid-proof concrete and as an intermediate post-treatment agent.

### USES

- Concrete structures for the protection of the environment against water polluting liquids according to DAfStb Guidelines such as e.g. collection trays, tank cups
- Concretes with high corrosion resistance, such as e.g. sewage pipes, sewage treatment plants, agricultural buildings
- White topping with high impermeability requirements
- Intermediate post-treatment for industrial floors

### CHARACTERISTICS / ADVANTAGES

SikaControl® E-150 is a saponification resistant, plasticizer dispersion and emulsifier-free polymer dispersion. It causes in concrete:

- Increased water retention capacity

- Networking of the plastic particles with water evaporation
- Sources of plastics for liquid exposure
- Replenishment of the cavities in the hardened cement stone structures

This causes in polymer modified concrete:

- Improved cohesion assets
- Denser structure
- Increased resistance to chemical attack
- Increased resistance to freezing/thawing and de-icing salts
- Higher flexural strength
- Higher durability
- Lower modulus of elasticity
- Lower crack sensitivity
- Good adhesion

Advantages as intermediate post-treatment:

- Immediate evaporation protection for not ready for traffic concrete surfaces
- Facilitates the smoothing of the concrete and can be worked on (plastic quality of the surface)

### APPROVALS / CERTIFICATES

General technical approval Z- 3.38 2069

### PRODUCT INFORMATION

<b>Composition</b>	Copolymer from vinyl acetate/ethylene
<b>Packaging</b>	Replacement container: 1000 kg
<b>Appearance / Colour</b>	Fluid / White
<b>Shelf life</b>	Minimum 6 month shelf life in sealed containers. Mix before using after longer storage times.
<b>Storage conditions</b>	Protect against frost, strong sunlight and contamination. Keep storage container tightly closed.
<b>Density</b>	1.05 g/cm <sup>3</sup> at +20°C

<b>pH-Value</b>	approx. 4
<b>Conventional dry material content</b>	52 wt%
<b>Viscosity</b>	approx. 300 mPas at +23°C
<b>Total chloride ion content</b>	≤ 0.10 %

## APPLICATION INSTRUCTIONS

Application in liquid-proof concrete:  
 Recommended dosage: 10 - 15 wt% from the cement weight. SikaControl® E-150 is completely calculated on the mixing water. Add SikaControl® E-150 to the concrete in the plant with the mixing water or after water dosage. For homogeneous distribution in the fresh concrete, we recommend a wet mixing time of 45 seconds after the addition. SikaControl® E-150 cannot be added in with normal dosage facilities for admixture. We recommend a hose and/or diaphragm pumps. Tanks, pumps and supply lines should be made of corrosion-resistant metals or plastics. Immediately clean mixing tools and processing equipment with water after use.

Application as intermediate post-treatment: SikaControl® E-150 can be diluted as a maximum of 1:2 with water to improve the spray capability. Consumption 150 - 250 g/m<sup>2</sup>, depending on the roughness of the surface. After the surface has been levelled off, spray apply SikaControl® E-150 evenly and with complete coverage. The sooner the application is executed on the fresh but non-bleeding surface, the more effective the evaporation protection will be. Not to be utilised in conjunction with hard material spreading.

## 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 the exact product data and uses.

## 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. Further notes and information data sheets on product safety and disposal can be found on the Internet at [www.sika.de](http://www.sika.de).

## 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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