

PRODUCT DATA SHEET

SikaControl[®]-725

(formerly MasterPel[®] 725)

Permeability reducing admixture for concrete and mortar

DESCRIPTION

SikaControl[®]-725 is an integral admixture designed to reduce the rate of transmission of moisture through concrete. It does not contain chemicals that might cause undesirable side effects when used in conjunction with admixtures normally used in concrete. SikaControl[®]-725, used as an integral admixture in concrete, reacts with the cement hydration process to form a hydrophobic coating on the pore and void surfaces of concrete, which reduces the capillary suction and minimises absorption and penetration of water.

USES

- Most applications requiring watertight concrete such as basement walls and floors, tanks, pipes, tunnels, silos and pools
- Concrete blocks and bricks
- Low cement content panels and claddings
- Wall and tank foundation renderings
- Concrete structure where subsequent application of render, tiles or paint is required

CHARACTERISTICS / ADVANTAGES

- Improved hydrophobic coating: Reduces permeability. Increases watertightness. Increases durability. Reduces relative absorption.
- Good workability: Good finishing characteristics for slab-work and off-form surfaces.
- Good cohesiveness: Reduces segregation particularly in lean mixes and high slump concrete.

PRODUCT INFORMATION

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| Packaging | <ul style="list-style-type: none">▪ 205 L drum▪ 1000 L IBC tank▪ Bulk delivery |
| Shelf Life | 12 months from date of production if stored properly in undamaged unopened, original sealed packaging. |
| Storage Conditions | Store in cool and dry conditions at temperatures between 5 °C to 40 °C, well ventilated place away from ignition sources, heat or flame. Protect from direct sunlight. If found to be frozen, thaw it and reconstitute by stirring. |
| Appearance / Colour | Milky white liquid |
| Specific Gravity | approx. 0.95–1.0 |

APPLICATION INFORMATION

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| Recommended Dosage | Recommended dosage rate is 450–550 ml per 100 kg of cementitious materials. For a higher degree of water-repellency, use 800 ml per 100 kg of cement. |
| Dispensing | SikaControl®-725 should be added separately to the initial batching water to ensure complete distribution throughout the mix. Use only drinkable water. Do not use sea water, bore water or water containing a high dissolved mineral content, for mixing concrete. |

BASIS OF PRODUCT DATA

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.

IMPORTANT CONSIDERATIONS

Like all cementitious mortars and concrete, concrete made with SikaControl®-725 must be protected against rapid drying due to high temperature and/or strong winds. The use of wet burlap, plastic sheets or a curing compound is highly recommended.

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 Material Safety Data Sheet containing 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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SikaControl®-725
September 2024, Version 01.01
02140500000002014

SikaControl-725-en-MY-(09-2024)-1-1.pdf