

PRODUCT DATA SHEET

SikaPaver® WP 793

Water repellent and efflorescence control admixture for manufactured concrete products

DESCRIPTION

SikaPaver® WP 793 is a multi-purpose admixture that can be used in a variety of water-repellent and efflorescence control applications. With its flexible dosage range, SikaPaver® WP 793 admixture enables increased production rates of visually appealing manufactured concrete products and precast concrete products that have improved water repellency and secondary efflorescence control properties, increased strength performance, and improved color vibrancy. Suitable for use in hot and tropical climatic conditions.

USES

- Architectural block
- Masonry construction
- Paving blocks / stones
- Segmental retaining wall units
- Concrete roof tile
- Kerbstones

FEATURES

- Contains components that enhance color and reduce efflorescence and staining potential
- Provides improved material flow and extrusion characteristics
- Improves water repellency
- Reduces efflorescence
- Improves color vibrancy and pigment efficiency
- Increases compressive and flexural strengths
- Increases production rate

PRODUCT INFORMATION

Composition	Specially selected chemical composition
Packaging	210 L drums or 1,000 L flowbin
Appearance and colour	White liquid
Shelf life	12 months from date of production if stored properly
Storage conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5 °C and +50 °C. Protect from direct sunlight.
Density	~1.0 kg/l (+25 °C)
Total chloride ion content	Nil (EN 934-2)

APPLICATION INFORMATION

Recommended dosage	0.25 – 1.0 litres per 100 kg cement. However, the optimum dosage to meet project requirements must be determined through trial mixes. <ul style="list-style-type: none">▪ Water Repellency: Typically, 0.5 – 1.0 litres per 100 kg cement. Optimum water repellency dosage rates are determined through mix evaluation and testing procedures.▪ Efflorescence Control: Typically, 0.25 – 0.5 litres per 100 kg cement.
Compatibility	To further improve the color efficiency and strength performance, the addition of a SikaPaver® high performance plasticizing admixture is recommended. Please consult our Sika Technical Department.

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.
- Internal Reference - Version: MBS_CC-UAE/Cast_793_09_12/v2/05_14/v3/03_21/v4/10_23

IMPORTANT CONSIDERATIONS

- SikaPaver® WP 793 admixture will not compensate for flaws in building design, materials, mix proportions, improper production procedures or improper construction methods.
- Proper block manufacturing methods, proper masonry mortar proportioning and mixing and proper use of SikaPaver® WP 793 admixture must be followed. Raked joints should not be permitted for water-repellent admixture system masonry projects. Remove excess mortar promptly and clean any residue.

ECOLOGY, HEALTH AND SAFETY

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

SUBSTRATE PREPARATION

The surface to be treated should be free of dust, oil, efflorescence and existing paint coatings. Cracks in concrete of more than 200 µm must be repaired prior to application of the hydrophobic treatment. Cleaning is best achieved by brushing with suitable detergents or by light blast cleaning or steam cleaning etc. Best results are obtained on dry, very absorbent substrates. The substrate must look dry with no damp patches.

MIXING

SikaPaver® WP 793 is supplied ready for use and should not be thinned.

APPLICATION

SikaPaver® WP 793 is applied by using low pressure spray, brush or roller, working from bottom up, taking care not to let the product run. On horizontal application, avoid ponding on the surface. Apply SikaPaver® WP 793 directly onto the surface in two coats. The second coat should be applied as soon as the first coat has surface dried. All coats must be applied in the one day. Protect the applied surface for 24–36 hours from contamination, traffic or rain. Test a small area of the concrete surface before starting general application to assure desired results and coverage rates.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use.

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.

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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ISO 9001, 14001, 45001 – SGS:
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- Sika International Chemicals LLC
- Sika Gulf B.S.C. (c)
ISO 9001, 14001 – SGS:
- Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV:
- Sika UAE LLC (Branch)
ISO 9001 – SGS:
- Sika MB LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



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