

SikaPaver[®] WP

Hydrophobic - Efflorescence Control admixture

Construction

Description	SikaPaver [®] WP is a specially designed admixture to improve the quality and appearance of finished concrete pavers and other machine processed concrete products. Formulated with unique chemistry of polymeric silicone compounds and efflorescence reducing chemicals, It imparts three distinct features for low slump concrete products. 1) Reduced efflorescence 2) Increased strength in plastic state to maintain sharp edges during production cycles and 3) Hydrophobic properties of finished product.
Uses	SikaPaver [®] WP is used in <ul style="list-style-type: none"> • Masonry product mixes to control the white bloom or encrustation of efflorescence. • Concrete surfaces in subsoils. • Concrete with water repellent properties, such as <ul style="list-style-type: none"> • Pavers. • Concrete kerbs. • Garden wall and landscape products. • Concrete tiles.
Advantages	<ul style="list-style-type: none"> • Provides a superior external finish. • Uniformly disperses inorganic oxide pigments in coloured concrete products. • Improves slick. • Due to hydrophobic properties, growth of algae, moss and fungus is reduced. • Controls efflorescence by reacting with and locking in the free salts in cement, preventing them from migrating to the surface. • Imparts water repellence to finished concrete product. • Reduces Chloride levels and sulphate attack. • Can be used in mortar for hydrophobic joints between bricks.
Storage and Shelf life	Stored at temperatures between 5°C and 35°C in unopened original containers protected from direct sunlight and frost, shelf life is at least one (1) year.
Instructions for Use	SikaPaver [®] WP is compatible with most sika admixtures. While using multiple admixtures, each admixture should enter separately into the mix water or wet concrete. Please refer to your local Sika Representative for further technical information.
Dosage	Use SikaPaver [®] WP between 200ml to 2000ml per 100kg of total cementitious material. Optimum dosage is dependent on the specific set of materials used and desired properties determined by laboratory and site trials.
Mixing	SikaPaver [®] WP should be <ul style="list-style-type: none"> • Added to the mix water, or • After the cement is wet out. <p>This procedure enables maximum utilization of the product to achieve best results, as there is less admixture lost latching on to dry cement particles.</p> <p>Mix thoroughly all the dry materials before addition of water and admixture. Depending on the efficiency and mixing action, mix for at least 90-120 Seconds after adding the admixture.</p>
Additional Information	All products made using SikaPaver [®] WP should be protected from rain and water for 24-60 Hours after casting. This helps the concrete product to develop its hydrophobic property to the maximum.

Technical and Physical Data

Form	Liquid (moderately viscous)
Colour	Milky white
Density (20°C)	1.0 ± 0.01 kg/litre.
Suitability	All types of cement
Chloride Content	No added chlorides
TEA Content	Does not contain triethanolamine
Packaging	20 litre pail 205 litre drum Bulk deliveries

Important Note

- Products incorporating SikaPaver® WP should not be water or steam cured, but can be cured at elevated temperature and humidity.
- When using SikaPaver® WP for air-dried masonry products, curing should be completed before exposure to water or rain.
- Streaking and discolouring may occur where water has come in contact with masonry products that are not fully cured.
- For additional information, please contact your local Sika Representative.

Handling Precautions

- Avoid contact with eyes and skin.
- Wear protective gloves and eye protection during work.
- If skin contact occurs, wash skin thoroughly.
- If in eyes, hold eyes open, flood with warm water and seek medical attention immediately.
- A full Material Safety Data Sheet is available from Sika on request.

Important Notification

The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 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 proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

Construction

