

PRODUCT DATA SHEET

SikaEmaco® S 496 PK

Ultra-high Strength, Non-shrink, Free Flowing Micro-Concrete for Structural Concrete Repairs

DESCRIPTION

SikaEmaco® S 496 PK is a cementitious, pre-bagged, free flowing, one component, non-shrink precision microconcrete with high early and ultimate strength. Suitable for use in hot and tropical climatic conditions.

USES

SikaEmaco® S 496 PK precision micro-concrete is used for repair and grouting in various applications such as:

- Structural repair of deteriorated concrete.
- Columns in precast construction Casting sections or members where the volumes required are too large for conventional grouts, and too small and inaccessible for normal concreting applications.
- Cavities, gaps and recesses.
- Re-profiling of damaged concrete members and re-profiling of pile tops using formwork for both pouring and pumping techniques.

CHARACTERISTICS / ADVANTAGES

SikaEmaco® S 496 PK is an easy to use precision micro-concrete requiring only the addition of water. It offers the following beneficial properties:

- Easy to mix
- Very good flow characteristics
- Adjustable consistency
- Reduced heat of hydration
- Shrinkage compensated
- Very High final strength
- Non-flammable
- Vapour permeable
- Excellent resistance to chloride ion ingress
- Compatible with the properties of typical concrete

PRODUCT INFORMATION

Chemical Base	Portland cement, selected fillers and aggregates, special additives.
Packaging	25 Kg bag
Appearance / Colour	Grey Powder
Shelf Life	Approximately 06 months when stored as above in original sealed bags.
Storage Conditions	Store in original unopened packaging in cool and dry condition between 5°C and 35°C. Protect from direct sunlight, heat and moisture.

TECHNICAL INFORMATION

Compressive Strength	+25°C 1 Day 7 Days 28 Days $w/p = 0.15 \geq 25 \text{ N/mm}^2 \geq 65 \text{ N/mm}^2 \geq 90 \text{ N/mm}^2$
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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.

USES

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.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

Sika Pakistan (Pvt.) Limited

141-CCA Phase IV, DHA

Lahore Punjab 54792

Pakistan

phone: +92 42 3569 4266 - 67

fax: +92 42 3569 4268

<http://pak.sika.com/>

Product Data Sheet

SikaEmaco® S 496 PK

October 2025, Version 01.01

020302040030246498

SikaEmacoS496PK-en-PK-(10-2025)-1-1.pdf