

SikaTard® Pak

Truck Mixerwash Admixture

Product Description

SikaTard® Pak is a powdered admixture formulated to control the hydration of cement. The SikaTard® Pak has been specifically formulated to enable the reduction of waste associated with the washing out of truck mixes. SikaTard® Pak is packaged in water soluble bags to enable ease of addition and handling.

Uses

- Ready –mix truck mixerwash out (cement/aggregate)
- Stabilisation/retardation of fresh concrete (subject to local evaluation)

Characteristics / Advantages

SikaTard® Pak as a mixerwash admixture(cement/aggregate): -

- Reduced waste and associated cost
- Reduced wash water consumption
- Reduced build up in mixer

SikaTard® Pak as stabiliser/retarder of fresh concrete (subject to local evaluation)

- Reduced fresh concrete waste and associated cost
- Reduced wash water consumption
- Reduced build up in mixer

Product Data

Form

Appearance / Colours White powder

Packaging 75 x 0.200kg water soluble bags (re-sealable waterproof plastic pail)

Storage Conditions / Shelf Life 12 months from date of production if stored properly in undamaged containers, in dry conditions at temperatures between +5°C and +25°C. Protect from direct sunlight and frost.

Technical Data

Chemical Base Blend of hydrocarboxylic acid and polyphosphonic salt

Density 0.90 kg/l (at +20°C)

pH Value 5.0 ± 1.0

Chloride Ion Content <0.10% w/w (chloride free)

Effect on Setting Negligible (on concrete prepared from stabilised truck wash)

Effect of Overdosing Increased setting times



Mechanical / Physical Properties

Compressive Strengths

SikaTard® Pak at 1 bag/m³ concrete (350kg/m³ cement content)

Cement Type	Admixture	Dose/ m ³	Consistence Class	Initial set (hrs:mins)	Final Set (hrs:mins)	Compressive Strength (N/mm ²)		
						24 hour	7 Day	28 Day
Cem I	Control		80	03:00	04:00	18.5	47.0	59.0
Cem I	SikaTard Pak	1 bag	90	05:00	07:00	20.0	49.0	63.0

System Information

Application Details

The mixer should be emptied of all concrete prior to commencing with the SikaTard® Pak mixerwash system.

SikaTard® Pak truck mixerwash procedure

- Add 200 litres of fresh water to the mixer (minimum 150 Litres)
- Add required number of SikaTard® Pak bags to the mixer
- Add coarse aggregate to mixer (2 tonne)
- Turn mixer at full speed for a minimum of 2 minutes
- Run materials up and down the mixer at least 5 times
- Turn mixer at full speed for a minimum of 1 minute
- Stop the mixer with materials at the top of the mixer and park vehicle until required

Batching of Next Load

- Concrete produced/batched on to the SikaTard® Pak mix must contain a minimum of 300 kgs of CEM I per load.
- Ensure batch weights are adjusted to account for materials already in the mixer (eg water and aggregates).
- Produce/batch concrete and deliver.
- For mixer drums greater than 8.0 m³ contact should be made with Sika Limited Technical Services.

Consumption / Dosage

Overnight	48 hours	72 hours
1bag per truck	2bags per truck	3bags per truck

Application Conditions / Limitations

Compatibility

Sika®Admixtures:

- Compatibility information available on request

Cements:

- All cement combinations

Application Instructions

Dispensing

- SikaTard® Pak should be dispensed by hand.

Application Method / Tools

- The standard rules of good concreting practice, concerning production as well as placing, are to be followed. Refer to relevant standards. Fresh concrete must be cured properly.

Notes on Application / Limitations

- Support from our Technical Department is recommended

Value Base

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.

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.

Health and Safety Information

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.

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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