

PRODUCT DATA SHEET

Sikament[®] ECO-3 W

WRAC - WATER REDUCING AND SET-ACCELERATOR

DESCRIPTION

Sikament[®] ECO-3 W is a water reducer and non-chloride accelerator admixture based on modified copolymer technology, which provides a cost effective solution in accelerated soft concrete.

USES

Sikament[®] ECO-3 W is used to accelerate the finishing and setting time of concrete when ambient temperatures are low. (Set times are better than the times associated with the action of normal water reducing admixtures). Early age development of concrete and mortar mixes is improved.

CHARACTERISTICS / ADVANTAGES

- Improved workability and finishability.
- Higher slump can be achieved without further addition of water.
- Improved setting times of concrete in winter conditions.
- Improved plastic concrete properties
- Enables concrete to achieve internal cohesiveness with improved placement properties.
- Lower bleed rates.

APPROVALS / CERTIFICATES

Sikament[®] ECO-3 W complies and exceeds the limits of AS 1478.1-2000 as type WRAC.

PRODUCT INFORMATION

Composition	Mixture modified co-polymer and complexing agents
Packaging	Bulk deliveries, 1000 litre IBC, 205 litre drum, 10 litre container.
Appearance / Colour	Clear red liquid
Shelf life	Stored at temperature between 5°C and 35°C in unopened original containers protected from direct sunlight and frost, shelf life is one (1) year.
Storage conditions	Store at temperature between 5°C and 35°C protected from direct sunlight.
Density	1.42 g/cm ³ approximately
Recommended Dosage	Typical dosage is 600ml per 100kg of total cementitious material. Sikament [®] ECO-3 W can be dosed between 350 ml to 1200 ml per 100 kg of total cementitious material to improve water reduction and setting time. Optimum dosage should be determined by site trials with the particular concrete mix design.
Compatibility	Sikament [®] ECO-3 W can be used in conjunction with many Sika Concrete admixtures, except Sikament NN. When using Sikament [®] ECO-3 W, site trials are always recommended to achieve the best results.

Dispensing

Sikament® ECO-3 W should be added to the gauging water or poured simultaneously into the concrete mixer. For optimum utilisation of the high water reduction, we recommend thorough mixing at a minimal wet mixing time of 1 minute/cubic metre.

The addition of the remaining gauging water to fine tune concrete consistency may be started after 2/3 of the wet mixing time, to avoid surplus water in concrete.

FURTHER INFORMATION

May slightly increase air content of concrete

IMPORTANT CONSIDERATIONS

Do not use with naphthalene based admixtures.

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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

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 Safety Data Sheet (SDS) 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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