

PRODUCT DATA SHEET

Sikament[®]-156 WRRe

Water Reducing Set Retarding Admixture - WRRe

DESCRIPTION

Sikament[®]-156 WRRe is a water reducing set retarder specifically formulated to produce concrete with improved water reduction and extended slump life while retarding the setting time of the mix. Sikament 156 WRRe combines the benefits of a normal water reducer allowing for the ease of obtaining and controlling concretes with 80-100 mm slumps.

USES

Sikament[®]-156 WRRe is suitable to produce low to medium performance concrete, with water reduction, and increased bleed water characteristics.

CHARACTERISTICS / ADVANTAGES

The use of Sikament[®]-156 WRRe in concrete improves the following properties

- Higher water reduction achieved, results in high density, and less permeable concrete.
- A combination water reducer retarder – excellent for hot conditions
- Increase bleed characteristics which allows for an easy finishing
- Economical due to cement reduction

APPROVALS / CERTIFICATES

Sikament[®]-156 WRRe meets and exceeds all requirements of Australian Standard AS1478.1-2000 for a Water Reducing Set Retarding Admixture (WRRe).

PRODUCT INFORMATION

Composition	Aqueous solution of modified polycarboxylates and carbohydrates
Packaging	Bulk deliveries, 1000 litre IBC, 205 litre drum and 10 litre container.
Shelf life	Stored at temperatures 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 .
Appearance and colour	Light brown liquid
Density	~1.1 g/cm ³
Recommended dosage	Typical dosage for general concrete production is between 250-500 ml per 100 kg of total cementitious material. Optimum dosage depends on site conditions, mix constituents and desired plastic and hardened properties. Laboratory and field trials are essential in determining the optimum dosage.
Dispensing	Sikament [®] -156 WRRe may be added to the mix with the batching water. We recommend that the concrete should be thoroughly mixed for 60 seconds per cubic metre of concrete. Add slump water progressively after at least 2/3 wet mixing time to

achieve the desired consistency.

Compatibility

Sikament®-156 WRRe can be used in conjunction with most of the Sika Concrete admixtures, except Sikament® NN.
Laboratory and field trials are always recommended prior to the use.

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.

FURTHER INFORMATION

May slightly increase air content of concrete

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.

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.

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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Product Data Sheet

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