

PRODUCT DATA SHEET

Sika Retarder[®] N

Set Retarder

DESCRIPTION

Sika Retarder[®] N is used to retard the setting time of the concrete to allow concreting under conditions of high ambient temperatures and placing of mass concrete. It is designed to be used for pumped, prestressed and structural concrete.

USES

- Increases the setting time of concrete
- Used in high temperatures
- Excellent for large concrete pours

PRODUCT INFORMATION

Chemical Base	Aqueous solution of selected carbohydrates
Packaging	Bulk deliveries 1000 litre IBC 200 litre drum 20 litre container
Appearance / Colour	Yellow liquid
Shelf Life	Twelve (12) months when stored in original unopened containers, protected from direct sunlight and frost at temperatures between 5°C and 35°C.
Storage Conditions	Store at temperatures between +5°C and +35°C, protected from direct sunlight.
Specific gravity	1.05 gr/cm ³ approx.
Concreting Guidance	Concrete should be placed according to good concrete practice and proper curing procedures should take place
Specific Advice	May slightly increase air content when used with water reducers.
Compatibility	Sika Retarder [®] N is compatible with all the types of Portland cement . When using with other admixtures, check their compatibility first.

CHARACTERISTICS / ADVANTAGES

- Minimises the risk of cold joints.
- After the initial retardation, the rate of hardening proceeds at a rate equivalent to, or greater than, un-retarded normal concrete.
- Delivery of concrete can be made over long distances from the premix concrete plant.

APPROVALS / STANDARDS

Sika Retarder[®] N meets and exceeds all requirements of Australian Standard 1478.1-2000 for Set-Retarding Admixture (Re)

Recommended Dosage

The effect of Sika Retarder® N depends on a number of factors such as cement type, ambient temperature and mix design. The optimum dosage should be determined by site or laboratory tests with the particular concrete mix design.

The rate of addition is generally in the range of: 200ml ± 100ml per 100kg of cementitious materials.

Note: For dose rates higher than 400 ml/100kg please refer to your Sika representative.

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.

LIMITATIONS

Increase in dosage rate will cause an increase in the setting time. If this occurs, do not change to an accelerator. A severe overdose may delay the setting time of the concrete to a detrimental extent.

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 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.

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January 2021, Version 01.03
02140601100000051

SikaRetarderN-en-NZ-(01-2021)-1-3.pdf