

PRODUCT DATA SHEET

Sikament® R-7 N

WATER REDUCING AND SET RETARDING CONCRETE ADMIXTURE

DESCRIPTION

A concrete plasticizer and retarder based on modified lignosulfonates used to produce good quality concrete. Complies with ASTM C494 Type D.

USES

Sikament® R-7 N is used in concrete where longer setting times and improved workability are required, such as projects with:

- Large pours, to prevent formation of cold joints;
- Long travel times from the concrete plant to the site;
- On site mixing;
- High ambient temperature.

CHARACTERISTICS / ADVANTAGES

- Only set retarding, does not delay the hardening process;
- Allow cement reduction compared to plain concrete;
- Increase in ultimate strength;
- Good control of slump loss even at elevated ambient temperature;
- Reduced shrinkage and creep;
- Chloride free, does not attack reinforcement steel.

PRODUCT INFORMATION

Chemical base	Blend of Lignosulfonates
Packaging	5 / 25 L pail
Appearance / Colour	Liquid / Brown
Shelf life	Min. 1 year if stored properly in original unopened packaging
Storage conditions	Dry, cool, shaded place
Density	1.125–1.145
Total Chloride Ion Content	Nil

TECHNICAL INFORMATION

Specific Advice	All Portland cement including sulfate resistant cement
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APPLICATION INFORMATION

Recommended Dosage	0.3–0.8 L per 100 kg of cement (depend on cement type & brand) Typical dosage: 0.4–0.6 L per 100 kg of cement Overdosing: When overdosed, setting time will be extended, depending on cement content and temperature. Final strength will be not impaired. Note: Due to extended setting time, proper curing must be ensured. Do not vibrate green concrete or tamper embedded rebars whilst setting.
Compatibility	Possible to combine with all Sikament®, Sika® Aer, Sika® Pump, Sikacrete® PP-1, but must be added separately to the mix and not pre-mixed prior addition.
DISPENSING	Sikament® R-7 N is either added to the gauging water prior to its addition to the dry concrete mix or added separately to wetted concrete mix, further mixing should take place for at least 1 minute per m ³ .

IMPORTANT CONSIDERATION

Trial mixes are recommended to establish exact dosage rates required to suit individual requirements. If assistance is required, please contact Sika Vietnam.

- Accurate dispensing equipment can be supplied by Sika Vietnam
- Use an appropriate mixer and do not mix by hand
- Curing treatment - use of Sika curing compounds to cure concrete is advisable

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

Ecology: Do not dispose into water

Transportation class: Non-hazardous

Waste disposal: According to local law

Precautionary measures: Avoid contact with food-stuffs and utensils. Avoid prolonged skin contact. In the event of contamination wash thoroughly with water. If the eyes or mouth are affected wash with clean water and obtain medical attention immediately.

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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