

PRODUCT DATA SHEET

Sika® Plastiment® R (NZ)

WATER REDUCING AND RETARDING CONCRETE ADMIXTURE

DESCRIPTION

A liquid set retarding concrete admixture with a plasticizing effect. Substantial water reduction can be achieved without loss of workability.

USES

Sika® Plastiment® R (NZ) is used where high quality concrete is required in difficult conditions, such as:

- High temperatures
- Long hauls
- Ready mix concrete
- Pre-stressed concrete
- Wherever high quality dense concrete is required

CHARACTERISTICS / ADVANTAGES

- Increased setting times at elevated temperatures
- Long lasting control of slump loss
- Improved workability without increased water content
- Reduced water without loss of workability
- Increased strengths
- Reduced shrinkage and creep
- Improved surface finish
- Chloride free – does not attack reinforcement

APPROVALS / STANDARDS

Complies with ASTM C-494 Type B & D.

PRODUCT INFORMATION

Chemical Base	Special Organic Agents
Packaging	200 litres
Appearance / Colour	Brown liquid
Shelf Life	Minimum of six (6) months from date of manufacture when stored as stated.
Storage Conditions	Store in unopened original containers at temperatures between +5°C and +35°C.
Specific Gravity	~ 1.10 kg/litre
Total Chloride Ion Content	Nil

TECHNICAL INFORMATION

Specific Advice	Air entrainment: Approximately 1% Water reduction: yes Freezing point: -5°C
-----------------	--

APPLICATION INFORMATION

Recommended Dosage	Dosage (typical): 200 – 500 mls per 100 kg/cement <i>Trial mixes are recommended to establish exact dosage rates required to suit individual requirements. If assistance is required please contact the Sika Technical Department.</i>
Compatibility	<ul style="list-style-type: none">▪ Compatibility with other Sika admixtures: Yes – but add separately, do not pre-mix.▪ Sika® Plastiment® R (NZ) can be used with all types of Portland cement including Sulphate resistant cements
Dispensing	<ul style="list-style-type: none">▪ Sika® Plastiment® R (NZ) is generally added to the initial batching water, prior to the addition of aggregates.▪ For best results delay the dosage into the water until the cement and air entraining admixture have been added and initially mixed with water.

LIMITATIONS

- If accidental overdosing of Sika® Plastiment® R (NZ) occurs the setting times will be retarded.
- During this period the concrete must be kept moist to prevent premature drying out.
- Very high overdoses may prevent concrete from setting.
- As with all concrete and mortars, it is essential to protect mixes containing Sika® Plastiment® R (NZ) from water evaporation during the crucial early age curing period. We recommend the use of Sika® Antisol curing membranes for this purpose. Refer to the Sika® Antisol data sheet for further information.
- To avoid moisture evaporation from the concrete surface during the finishing period Sika recommend the use of SikaFilm (refer to the SikaFilm data sheet).
- When using Sika® Plastiment® R (NZ) in concrete containing air entraining admixture, dosages of the latter may need to be reduced to maintain the same target level of air entrainment.

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 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.

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. 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.

Sika (NZ) Limited
85-91 Patiki Road
Avondale, Auckland 1026
New Zealand
0800 745 269
www.sika.co.nz



Product Data Sheet
Sika® Plastiment® R (NZ)
December 2019, Version 02.02
021303011000000806

SikaPlastimentRNZ-en-NZ-(12-2019)-2-2.pdf

