

## PRODUCT DATA SHEET

# Sika® Plastocrete® WR-2 Plus

New generation water reducing admixture

### DESCRIPTION

Sika® Plastocrete® WR-2 Plus is recommended for use in the production of conventional ready mixed concrete, whenever increased plasticity and higher ultimate strengths are desired.

### USES

- Sika® Plastocrete® WR-2 Plus is used to produce workable concrete and grout with a lower total water content and should be considered wherever high quality concrete is required
- Sika® Plastocrete® WR-2 Plus is ideal whenever the various handling properties of concrete must be improved and where placing conditions are difficult
- Sika® Plastocrete® WR-2 Plus is used with all grades of concrete

### PRODUCT INFORMATION

<b>Packaging</b>	200 litres or bulk delivery
<b>Appearance / Colour</b>	Dark brown liquid
<b>Shelf Life</b>	Twelve (12) months from date of manufacture when stored as stated.
<b>Storage Conditions</b>	Store at temperatures above +5°C and below +35°C. If frozen, thaw and agitate thoroughly to return to normal state. Protect from direct sunlight.
<b>Specific gravity</b>	~1.05
<b>Recommended Dosage</b>	Dosage rates will vary depending on the material used, ambient conditions and the requirements of a specific project. For general concreting applications, Sika recommends a dosage rate between 300-800 ml/100 kg of cementitious materials for normal water reduction and setting characteristics. Dosage rates outside the recommended range may be used where specialized materials such as SikaFume® are specified, extreme ambient conditions are encountered or unusual project conditions require special consideration.

### CHARACTERISTICS / ADVANTAGES

The use of Sika® Plastocrete® WR-2 Plus provides the following benefits in concrete:

- Improved workability
- Improved compressive and flexural strength
- Allows optimisation of cement content
- Improved finishability
- Improved durability

Sika® Plastocrete® WR-2 Plus does not contain intentionally added chlorides and will not initiate nor promote the corrosion of steel in the concrete.

### APPROVALS / STANDARDS

Sika® Plastocrete® WR-2 Plus complies with AS1478.1-2000, Type MWR (Medium-range WR, normal setting).

## Dispensing

- For best plasticizing results, Sika® Plastocrete® WR-2 Plus should be added directly to freshly mixed concrete in the concrete mixer at the end of the batching cycle
- Sika® Plastocrete® WR-2 Plus may also be dispensed as an integral material during the regular admixture batching cycle, or into freshly mixed concrete in a Ready-Mix truck at the concrete plant or job site
- To optimize the plasticizing effect, Sika recommends that the combined materials be mixed for 80-100 revolutions, either in the concrete mixer or in the Ready-Mix truck

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## 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.

## 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



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