

## PRODUCT DATA SHEET

# Sika® Plastiment®-10

WR-Water Reducer

### DESCRIPTION

Sika® Plastiment®-10 is a specially formulated water-reducing admixture based on a blend of selected lignosulfonates and modified polycarboxylates, with additional compounds incorporated that aid in placing and finishing of concrete.

### USES

Sika® Plastiment®-10 is recommended for use in all applications where high quality concrete with superior workability and normal setting times is required.

- Reduced rate of bleeding.
- For easy pumping, placing and burnish finish with steel trowel.
- Mixes containing harsh aggregates and manufactured sand.
- Coloured concrete using pigments for architectural aesthetics.

### PRODUCT INFORMATION

<b>Packaging</b>	Bulk deliveries 205 litre drum 10 litre pail
<b>Shelf life</b>	When stored at temperatures between 5°C and 35°C in unopened original containers protected from direct sunlight and frost, shelf life of Sika® Plastiment®-10 is at least one (1) year.
<b>Storage conditions</b>	Store at 5°/35°, protected from the direct sunlight.
<b>Appearance and colour</b>	Brown liquid
<b>Specific gravity</b>	1.09 g/cm <sup>3</sup>
<b>Recommended dosage</b>	Recommended dosage is 300-400 ml per 100 kg of total cementitious material. Optimum dosage should be determined by site trials with the particular concrete mix design.
<b>Dispensing</b>	Sika® Plastiment®-10 is added with the initial batching water. Never add to a dry mix.

### CHARACTERISTICS / ADVANTAGES

Sika® Plastiment®-10 water-reducing admixture provides an economical and highly effective means of reducing the amount of mixing water required to produce concrete of a certain slump by acting as a dispersant for the cement particles in the mix.

- Excellent Strength Performance.
- Higher slump can be achieved without further addition of water.
- Homogeneous concrete therefore lower pump pressure.
- Improved plastic concrete properties.

### APPROVALS / CERTIFICATES

Sika® Plastiment®-10 meets and exceeds all requirements of Australian standard 1478.1-2000 for Water reducing Admixture (WR).

## Compatibility

Sika® Plastiment®-10 is compatible with all Sika concrete admixtures except Sikament NN . Due to the synergistic affect of Sika® Plastiment®-10, the quantity of Air entraining agent used in conjunction with Sika® Plastiment®-10 may need to be reduced by 25- 50%.

## 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 at normal dose rate.

## IMPORTANT CONSIDERATIONS

When using Sika® Plastiment®-10, trial mixes are necessary to determine optimum dose rate and confirm suitable plastic and hardened concrete properties.

## 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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