

Sika Plastocrete[®] 50

Water Reducer - WR

Description	Sika Plastocrete [®] 50 is a specially formulated water reducer admixture based on selected lignosulfonates, with additional compounds incorporated that aid in placing, floating and finishing of concrete.
Uses	<p>Sika Plastocrete[®] 50 is recommended for use in all applications where high quality concrete with superior workability and normal setting times is required.</p> <ul style="list-style-type: none">■ 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.
Advantages	<p>Sika Plastocrete 50 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.</p> <ul style="list-style-type: none">■ Excellent Strength Performance.■ Higher slump can be achieved without further addition of water.■ Homogeneous concrete therefore lower pump pressure.■ Improved plastic concrete properties <p>Sika Plastocrete[®] 50 enables concrete to achieve internal cohesiveness with improved placement properties. By having better cohesion, segregation and bleeding can be minimized.</p>
Storage and Shelf Life	Stored at temperatures between 0°C and 35°C in unopened original containers protected from direct sunlight and frost, shelf life is at least one (1) year.
Dosage	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.
Mixing	Sika Plastocrete [®] 50 is added with the initial batching water. Never add to a dry mix.
Application Method	Concrete mixed with Sika Plastocrete [®] 50 is transported to site in ready-mixed trucks. Concrete should be placed according to good concrete practices and proper curing procedures should take place.
Specification Type	Sika Plastocrete [®] 50 meets and exceeds all requirements of Australian standard 1478.1-2000 for Water reducing Admixture (WR). Queensland Government Department of Main Roads approved.

Technical Data (Typical)

Form Aqueous solution of calcium lignosulfonates plus polycarboxylates

Colour Brown

Chloride Content No added chlorides

TEA Content Does not contain TEA

Air Entrainment May slightly increase air content of concrete at normal dose rate.

Sika Plastocrete® 50 is compatible with all Air entraining Admixtures. Due to the synergistic affect of Sika Plastocrete® 50, the quality of Air entraining agent added to Sika Plastocrete® 50 admixed concrete needs to be reduced by approximately 25% - 50%.

Packaging 20 litre pail
205 litre drum
Bulk deliveries

Important Notes

- When using Sika Plastocrete® 50, site trials are always recommended to achieve the best results.
- It is essential to check compatibility when using with other admixtures.
- For additional information, please contact your local Sika Representative.

Handling Precautions

- Avoid contact with skin and eyes.
- Wear protective gloves and eye protection during work.
- If skin contact occurs, wash skin thoroughly.
- If in eyes, hold eyes open, flood with water and seek medical attention without delay.
- A full Material Safety Data Sheet is available from Sika on request.

Important Notification The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 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 proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

