

SikaPlast® 200N

Mid Range Water Reducer - MWR

Description	SikaPlast® 200N is a Neutral Set Mid Range Water Reducer specifically formulated to produce concrete with improved water reduction. SikaPlast® 200N combines the benefits of a water reducer and mid range water reducer with controlled ease on achieving and maintaining 140-200 mm slumps.
Uses	<p>SikaPlast® 200N is a Neutral Set Water Reducer and at higher dosages a Neutral Set Mid Range Water Reducer designed for use in the premixed concrete industry, SikaPlast® 200N is ideal for the following applications:</p> <ul style="list-style-type: none">■ As a Neutral Set Water Reducing admixture used in combination with Accelerators, Retarders and Air Entrainers to produce a wide range of products and strengths, while maintaining the ability to accommodate fluctuations in temperature and set time requirements■ As a Neutral Set Mid Range Water reducing admixture for concretes which require higher workability, optimal cost performance and a high degree of control. Due to the Neutral Set characteristics the properties of the concrete can be adjusted to achieve desired properties using Accelerators and Retarders without compromising performance■ The above properties make this product ideal for industrial floor applications where good control of fresh and hardened concrete properties is essential.■ Post tensioned applications
Advantages	<p>Use of SikaPlast® 200N effectively achieves the following benefits:</p> <ul style="list-style-type: none">■ A single product fully capable of performing as a Water Reducer at lower dosages and a Mid Range Water Reducer at higher dosages■ Neutral Set characteristics, which makes it ideal for use as an all year round admixture and in combination with set retarders and accelerators■ Improved shrinkage and creep behaviour.■ Improved plastic concrete properties.■ Increases service life of structures.■ Improve finishing■ Optimal concrete performance
Storage and Shelf life	Stored at temperatures between 5°C and 35°C in unopened original containers, protected from direct sunlight and frost, shelf life is at least one (1) year. Please check with your Sika representative for shelf a life exceeded product.



Application

Dosage	<p>Typical dosage rates are, Water Reducer, 300 – 550 ml per 100 kg of total cementitious material, Mid Range Water Reducer, 550 – 1000 ml per 100 kg of total cementitious material</p> <p>Optimum dosage depends on the type of concrete, site conditions, mix proportions, ingredients and desired plastic and hardened concrete properties. Laboratory and/or field trials are essential in determining the optimum dosage.</p>
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Technical and Physical Data

Form	Aqueous solution of modified polycarboxylate
Colour	Light Brown
Chloride Content	No added chlorides
TEA Content	Does not contain TEA
Air Entrainment	May increase air content of concrete when used at normal dose
Packaging	20 litre pail 205 litre drum Bulk deliveries

Important Note

- SikaPlast® 200N can be used in conjunction with the following Sika products (trials are recommended before use): SikaMix, Sika FerroGard-901, Sika Control, Sika Accelerator and Sika Retarder. All admixtures must be added separately.
- SikaPlast® 200N when used with Air Entraining admixtures can result in significant increases in entrained air, therefore, trial mixes are recommended
- As with all concretes it is essential to protect mixes containing SikaPlast® 200N from water evaporation during the crucial early age period. We recommend the use of Sika Film or Antisol curing membranes for this purpose.
- For additional information, please contact your local Sika Representative.

Handling Precautions

- Avoid contact with eyes and skin.
- Wear protective gloves and eye protection during work.
- If skin contact occurs, wash skin thoroughly.
- If in eyes, hold eyes open, flood with warm water and seek medical attention immediately.
- 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 Australian version of the Product Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

