

Sika Plastiment[®] TM 20

Water reducing and retarding mixture

Construction

Description	Sika Plastiment[®] TM 20 is a water reducing and retarding admixture, liquid brown color specially designed for roller compacted concrete (RCC).
Uses	<p>Sika Plastiment[®] TM 20 extends and controls the RCC setting times, increasing the available time to obtain a hot joint between layers, and reducing the mortar bonding needs and the final areas of cold joints. Sika Plastiment[®] TM 20 is highly effective in hot weather concreting and control the initial heat generation.</p> <p>This admixture allow to reduce until 12% of the water design, increasing the compressive, tensile and shear strengths significantly.</p> <p>The strength increase allow to lower the cement content diminishing the heat generation and the cracking risk.</p> <p>Sika Plastiment[®] TM 20 is ideal for any type of RCC (high or low paste content).</p>
Advantages	<p>In fresh state:</p> <ul style="list-style-type: none">■ Initial set times are delayed allowing time for proper placement and compacting a new layer over the retarded RCC, without cold joint treatment■ Reduce the final area and number of cold joints■ Decrease the mortar of concrete bonding volume■ Increase the RCC placement rate■ Diminish density dispersion in field■ Increase the time available to re-compacting the concrete without damage the material. After the initial set heavy transits can damage the new hydrates and microcracking the RCC■ Lower water cement for the same consistency■ Increase of the cement efficiency■ Diminish the rate and the peak of initial heat generation <p>In hard state:</p> <ul style="list-style-type: none">■ Increase the mechanical strengths for any weather condition■ Lower water cement ratios provide decreased permeability and increased durability■ Diminish the heat generation and the cracking risk■ Increase the density of the RCC <p>Add Sika Plastiment[®] TM 20 at the concrete plant. Measure required quantity manually or by automated dispenser.</p>
Dosage	500 – 2000 ml/100 kg cementitious.
Packing	Sika Plastiment [®] TM 20 is supplied in 200 liter drums and by bulk delivery.



Storage and Shelf Life

Shelf life in unopened container, when stored in dry warehouse conditions between 10°C-27°C is one (1) year minimum.

Caution and First Aid

Skin and eye irritant, avoid contact. Avoid breathing product. Safety goggles and rubber gloves is recommended. Use with adequate ventilation. Remove contaminated clothing.

Wash skin with soap and water. In case of eye contact, flush with water for 15 minutes, contact a physician, was clothing before re-use.

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 Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

