

# Sikament<sup>®</sup> Eco 3W

## WRAc - Water Reducing and Set-Accelerator

Construction

<b>Description</b>	Sikament <sup>®</sup> Eco 3W is a water reducer and non-chloride accelerator admixture based on modified copolymer technology, which provides a cost effective solution in accelerated soft concrete.
<b>Uses</b>	Sikament <sup>®</sup> Eco 3W is used to accelerate the finishing and setting time of concrete when ambient temperatures are low. (Set times are better than the times associated with the action of normal water reducing admixtures). Early age development of concrete and mortar mixes is improved.
<b>Advantages</b>	<ul style="list-style-type: none"> <li>• Improved workability and finishability.</li> <li>• Higher slump can be achieved without further addition of water.</li> <li>• Improved setting times of concrete in winter conditions.</li> <li>• Improved plastic concrete properties</li> <li>• Enables concrete to achieve internal cohesiveness with improved placement properties. Lower bleed rates.</li> </ul>
<b>Storage and Shelf Life</b>	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.
<b>Application</b>	
<b>Dosage</b>	Typical dosage is 600ml per 100kg of total cementitious material. It can be dosed between 350 ml to 1200 ml per 100 kg of total cementitious material to improve water reduction and setting time. Optimum dosage should be determined by site trials with the particular concrete mix design.
<b>Mixing</b>	Sikament <sup>®</sup> Eco 3W should be added to the gauging water or poured simultaneously into the concrete mixer. For optimum utilisation of the high water reduction, we recommend thorough mixing at a minimal wet mixing time of 2 minutes. The addition of the remaining gauging water to fine tune concrete consistency may be started after 2/3 of the wet mixing time, to avoid surplus water in concrete.
<b>Specification Type</b>	<p>Sikament<sup>®</sup> Eco 3W complies and exceeds the limits of AS 1478.1-2000 as type WRAc.</p> <p>Queensland Government Department of Main Roads approved.</p>

---

**Technical Data (Typical)**


---

<b>Form</b>	Mixture modified co-polymer and complexing agents
-------------	---

<b>Colour</b>	Clear red
---------------	-----------

<b>Density (20°C)</b>	1.38 kg/litre approx.
-----------------------	-----------------------

<b>pH Value (20°C)</b>	6.0 ± 1.0
------------------------	-----------

<b>Chloride Content</b>	No added chlorides
-------------------------	--------------------

<b>TEA Content</b>	Contains Triethanolamine
--------------------	--------------------------

<b>Air Entrainment</b>	May slightly increase air content of concrete
------------------------	---

<b>Packaging</b>	20 litre pail 205 litre drum Bulk deliveries
------------------	--

<b>Important Notes</b>	<ul style="list-style-type: none"> <li>• When using Sikament® Eco 3W, site trials are always recommended to achieve the best results.</li> <li>• Please check compatibility when using with other admixtures.</li> <li>• Do not use with naphthalene based admixtures.</li> <li>• For additional information, please contact your local Sika Representative.</li> </ul>
------------------------	---

<b>Handling Precautions</b>	<ul style="list-style-type: none"> <li>• Avoid contact with skin and eyes.</li> <li>• Wear protective gloves and eye protection during work.</li> <li>• If skin contact occurs, wash skin thoroughly.</li> <li>• If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.</li> <li>• A full Material Safety Data Sheet is available from Sika on request.</li> </ul>
-----------------------------	---

<b>Important Notification</b>	<p>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.</p>
-------------------------------	---

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

---

