

# SikaMix<sup>®</sup>

## Mix Enhancing Admixture

# Construction

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| <b>Description</b>            | SikaMix <sup>®</sup> is a concrete admixture for general use to enhance unfavourable concrete mixes. SikaMix <sup>®</sup> improves workability even with poor aggregates, and sand gradings.   |
| <b>Uses</b>                   | SikaMix <sup>®</sup> is especially useful for concrete mixes with fluctuating fines, low cement content or unfavourable granulometric curves with bad water retention abilities. Even secondary raw materials like crushed rock and manufactured sands are more easily used with SikaMix <sup>®</sup> .  |
| <b>Advantages</b>             | <ul style="list-style-type: none"> <li>• Improves the cohesiveness, workability and lubrication of the fresh concrete.</li> <li>• Reduces concrete bleed.</li> <li>• Improves pump output and workability of unfavourable concrete mixes.</li> <li>• Used in shotcrete mixes to improve sticking or as silica fume replacement.</li> <li>• Smoother finishes resulting from better extrusion of concrete.</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 from frost, shelf life is at least three (3) months.  |
| <b>Application</b>            |  |
| <b>Dosage</b>                 | <p>To recommend addition rates:</p> <ul style="list-style-type: none"> <li>- Poorly graded aggregates and harsh materials.<br/>300-1000mls/m<sup>3</sup></li> <li>- Improve pumping characteristics and lower pump pressures<br/>1000-2000mls/m<sup>3</sup></li> <li>- As a silica fume replacement<br/>2000-5000mls/m<sup>3</sup></li> </ul>  |
| <b>Mixing</b>                 | <p>SikaMix<sup>®</sup> can be added before or after dosing of water. Never add to a dry mix. The optimum effect is reached after a wet mixing time of 90 seconds.</p> <p>SikaMix<sup>®</sup> slightly changes the viscosity of the concrete mix, but workability is not influenced.</p>  |
| <b>Specification Type</b>     | <p>SikaMix<sup>®</sup> meets all requirements of AS1478.1-2000 as special Admixture. Type (SN).</p> <p>Queensland Government Department of Main Roads approved.</p>  |

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**Technical Data (Typical)**


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| <b>Form</b>             | Water based polymer dispersion                             |
| <b>Colour</b>           | Light green  |
| <b>Density (20°C)</b>   | 1.0 kg/litre approximately                                 |
| <b>pH value (20°C)</b>  | 8.5 ± 1.0  |
| <b>Chloride Content</b> | No added chlorides   |
| <b>TEA Content</b>      | Does not contain triethanolamine                           |
| <b>Air Entrainment</b>  | Does not affect air content of concrete                    |
| <b>Packaging</b>        | 20 litre plastic pail<br>205 litre drum<br>Bulk deliveries |

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**Important Notes**

- Frozen SikaMix<sup>®</sup> can be reconstituted by slow thawing to room temperature and thorough mixing.
- SikaMix<sup>®</sup> is normally used in combination with Sikament and Sika ViscoCrete<sup>®</sup> superplasticisers. It can also be combined with Sika<sup>®</sup> Air, SikaTard<sup>®</sup>, Sigunit<sup>®</sup>-L50AF, Sigunit<sup>®</sup>-L53AF, Sigunit<sup>®</sup>-L80AF or SikaRapid<sup>®</sup>, without influencing the performance. To use combinations of these admixtures, site trials are recommended.
- When using as a substitute for silica fume site trials are always recommended.

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**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.

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