



PRODUCT DATA SHEET

Edition 06.2020/v1
Grinding Aids

SikaGrind®-710

GRINDING AID AND QUALITY IMPROVER FOR THE PRODUCTION OF CEMENT

Description	SikaGrind®-710 is a chloride-free liquid additive with strength-enhancing properties. SikaGrind®-710 is specifically developed to obtain cements with strongly increased early and final strength.														
Where to Use	SikaGrind®-710 is used in the grinding of cement to: <ul style="list-style-type: none"> ▪ Increase the production rate ▪ Increase the early and late strength of cement 														
Advantages	<p>SikaGrind®-710 provides the following advantages in the cement production:</p> <ul style="list-style-type: none"> ▪ Less accumulation of material on grinding equipment (grinding balls and mill) ▪ Higher efficiency of plants (tons per hour) due to reduced grinding time per ton ▪ Higher separator efficiency due to improved dispersion ▪ Easier achievement of the desired cement fineness ▪ Cost savings due to lower power consumption per ton <p>SikaGrind®-710 gives the following advantages to the finished cement:</p> <ul style="list-style-type: none"> ▪ Increased early and final strength ▪ Improved powder flow characteristics and easier discharge of silos 														
<p>Technical Data</p> <table border="0"> <tr> <td>Packaging</td> <td>1040 L (275 US gal.) IBC Bulk delivery upon request</td> </tr> <tr> <td>Appearance / colour</td> <td>Liquid, slightly amber</td> </tr> <tr> <td>Shelf Life and Storage</td> <td>1 year in original unopened container. Store dry, between 5 - 35 °C (41 - 95 °F). Protect from freezing, direct sunlight and contamination. Note: When delivered in bulk, the tanks and equipment used must be free from contaminants.</td> </tr> <tr> <td colspan="2">Properties</td> </tr> <tr> <td>Chemical Base</td> <td>Derivatives of amines</td> </tr> <tr> <td>Density</td> <td>1.107 +/- 0.03 (at 20 °C)</td> </tr> <tr> <td>pH Value</td> <td>10.65 to 10.95</td> </tr> </table> <p><i>Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.</i></p>		Packaging	1040 L (275 US gal.) IBC Bulk delivery upon request	Appearance / colour	Liquid, slightly amber	Shelf Life and Storage	1 year in original unopened container. Store dry, between 5 - 35 °C (41 - 95 °F). Protect from freezing, direct sunlight and contamination. Note: When delivered in bulk, the tanks and equipment used must be free from contaminants.	Properties		Chemical Base	Derivatives of amines	Density	1.107 +/- 0.03 (at 20 °C)	pH Value	10.65 to 10.95
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HOW TO USE															
Dosage	<p>Typical dosage rates of SikaGrind®-710 are between 0.2 - 0.5 kg per tonne of cement (0.02 - 0.05 % of total weight = cement clinker + additions). The optimum dosage, which changes according to the properties of each clinker source, type of cement and other plant variables, should be determined in plant trials according to the desired properties of the cement.</p> <p>For consistent results, SikaGrind®-710 must be accurately dispensed.</p>														
Compatibility	Cements treated with SikaGrind®-710 are compatible in concretes produced with all commercial admixtures, including air entrainers, water reducers, retarders and superplasticizers. The performance of concrete admixtures are not adversely affected by the use of SikaGrind®-710.														
Dispensing	<p>SikaGrind®-710 is added onto the clinker feed shortly before the mill entrance or directly into the grinding mill. Suitable dosage pumps with adjustable flow rates should be used for accurate dosing.</p> <p>Note: Periodically, the extremity of the additive tube should be checked to ensure that it is not blocked with cement clinker/dust!</p>														
Note	All technical data stated in this Product Data Sheet are based on laboratory test results. Actual measured data may vary due to circumstances beyond Sika's control.														

Clean Up Use personal protective equipment (chemical resistant goggles/gloves/clothing). Without direct contact, remove spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable environmental regulations.

Health and Safety Information For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data.

KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY

The Information, and in particular, the recommendations relating to the application and end-use of Sika 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, within their shelflife. 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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: www.sika.ca

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