

## SikaSet® HE

### Accelerating Admixture

<b>Description</b>	<p>SikaSet HE is an accelerating admixture that enhances the early strength of concrete.</p> <p>SikaSet HE contains Calcium Chloride.</p>
<b>Applications</b>	<p>SikaSet HE is an effective and economical accelerating admixture for use in cold weather concreting applications. Cold temperature may slow down the hydration process and may damage the hardened concrete properties if not treated properly. The slower hydration process can be overcome by the use of this accelerating admixture. Because SikaSet HE contains Calcium Chloride, it is not recommended for use in prestressed concrete, post-tensioned concrete, nor reinforced concrete structures.</p>
<b>Advantages</b>	<p><b>Accelerated Set Times and Strength Development:</b> SikaSet HE may be used to accelerate set times and increase early strength gain where job-site efficiency is important in order to meet construction deadlines. SikaSet HE saves time and money by allowing faster finishing and stripping of concrete formwork.</p> <ul style="list-style-type: none"><li>■ Insulation and heating costs during curing time are reduced.</li><li>■ Accelerated set times allow crews to finish concrete earlier, saving on labor costs.</li><li>■ Earlier stripping and reuse of forms increases labor productivity.</li><li>■ Accelerated strength gain allows earlier structural use and speeds completion time.</li></ul> <p><b>Cold Weather Concreting:</b> At the recommended dosage rate, SikaSet HE will protect concrete from freezing in most sub-freezing temperature conditions and may reduce the need for cold weather concreting practices as specified in ACI 306 – Standard Specification for Cold Weather Concreting.</p>
<b>How to Use</b>	
<b>Dosage</b>	<p>To accelerate set times dosage at the rate of 8 – 50 fl. oz. / 100 lbs (520 - 3260 ml/100 kg) of cement is recommended.</p> <p>When used to protect concrete from freezing, dosage will vary with different brands of cement and ambient temperatures and higher dosages may be necessary. Sika recommends that trial mixes be performed to determine the most efficient dosage. When using 16 fl.oz./100 lbs. or more, adjust mixing water accordingly. Dosage rates outside the recommended range may be used where specialized materials such as microsilica are specified, extreme ambient conditions are encountered or unusual project conditions require special consideration. In this case please contact your local regional Sika office or Sika technical service department at 1-800-933-7452 for further information.</p>

Construction



Sika®

<b>Mixing</b>	<p>Add the correct amount of SikaSet HE at the concrete plant. The admixture may be added manually or by automated dispenser directly into the sand or into the water at the batch plant.</p> <p>Field evaluations should be carried out to determine the minimum ambient and concrete temperature required, and the optimum dosage for the desired setting time and strength performance. Sika strongly recommends that appropriate, sound curing practices be followed to protect fresh concrete from excessive heat loss in extreme weather conditions.</p> <p><b>Combination with other Admixtures:</b> SikaSet HE is highly effective as a single admixture or in combination with other admixtures in the Sika System. When used in combination with other admixtures care must be taken to dispense each admixture separately into the mix. Do not mix with dry cement.</p>
<b>Packaging</b>	SikaSet HE is available in bulk delivery.
<b>Storage and Shelf Life</b>	<p>SikaSet HE should be stored above 40°F (5°C). If frozen, thaw and agitate thoroughly to return to its normal state before use.</p> <p>Shelf life when stored in dry warehouse conditions between 50°F and 80°F (10°C - 27°C) is one year.</p>
<b>Typical Data</b>	
<b>Appearance</b>	Turbid liquid.
<b>Specific Gravity</b>	Approx. 1.3
<b>Caution</b>	May cause skin/eye/respiratory irritation. Avoid breathing vapors. May cause nose, throat and lung irritation. Use with adequate ventilation. Avoid skin and eye contact. Safety goggles and rubber gloves are recommended.
<b>Handling and Storage</b>	Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves/clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Wash thoroughly with soap and water after use. Remove contaminated clothing and laundry before reuse.
<b>First Aid</b>	<b>Eyes:</b> Hold eyelids apart and flush thoroughly with water for 15 minutes. <b>Skin:</b> Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. <b>Inhalation:</b> Remove person to fresh air. <b>Ingestion:</b> Do not induce vomiting. Dilute with water. Contact a physician. <b>In all cases, contact a physician immediately if symptoms persist.</b>
<b>Clean Up</b>	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.

KEEP CONTAINER TIGHTLY CLOSED  
NOT FOR INTERNAL CONSUMPTION  
CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

KEEP OUT OF REACH OF CHILDREN  
FOR INDUSTRIAL USE ONLY

Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Technical Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.

**NO OTHER WARRANTIES EXPRESSED OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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Quality Certification Numbers: Lyndhurst: FM 69711 (ISO 9000), FM 70421 (QS 9000), Marion: FM 69715, Kansas City: FM 69107, Santa Fe Springs: FM 69408

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