

Sigunit® L72 AF

Liquid Alkali-free Shotcrete Accelerator

Description	Sigunit® L72 AF is a high performance, alkali-free liquid set accelerator for shotcrete applications.
Applications	Sigunit® L72 AF is suitable for both dry and wet spraying processes and it is used for: <ul style="list-style-type: none">■ Support at the face while advancing tunnels and mines■ Rock and slope stabilization■ High quality lining shotcrete
Benefits	Sigunit® L72 AF liquid shotcrete set accelerator has the following characteristics and advantages: <ul style="list-style-type: none">■ High early strength development■ Alkali and Chloride free■ No pollution of groundwater by leaching of alkalis■ Distinct reduction in rebound■ Improves bond of shotcrete to rock and concrete thus facilitating overhead spraying■ Distinct reduction of dust
How to Use	
Dosage	The most effective dosage must be determined by trial. Dosage rates will vary according to w/c ratio, materials used, ambient conditions, shotcrete methods used and the requirements of a specific project. For general applications Sika recommends a dosage between 4-8% by weight (45-86 fl.oz/100 lbs) of the total cementitious content. The performance of the Sigunit® L72 AF will vary according to w/c ratio of the mix. 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 office or technical service department at 1-800-933-7452. The effect of Sigunit® L72 AF depends on cement type, cement age, cement content and type of subgrade.

Concrete



PRIOR TO EACH USE OF ANY SIKA PRODUCT, THE USER MUST ALWAYS READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS ON THE PRODUCT'S MOST CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET WHICH ARE AVAILABLE ONLINE AT [HTTP://USA.SIKA.COM/](http://usa.sika.com/) OR BY CALLING SIKA'S TECHNICAL SERVICE DEPARTMENT AT 800-933-7452. NOTHING CONTAINED IN ANY SIKA MATERIALS RELIEVES THE USER OF THE OBLIGATION TO READ AND FOLLOW THE WARNINGS AND INSTRUCTION FOR EACH SIKA PRODUCT AS SET FORTH IN THE CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCT USE.

Mixing	<p>Sigunit® L72 AF is dosed and added on-site by a liquid dispensing system. Optimum dispersion in the shotcrete is governed by nozzle configuration and shotcreting techniques. Important information: The concrete temperature should not be lower than 59°F (15°C) when shotcreting in thick layers - 4 inches and above (100 mm and above). Use of Sigunit® L72 AF requires the technically correct installation of dosing and conveying equipment. Metal components that come into direct contact with the product should be fabricated of stainless steel. Do not use brass parts.</p> <p>Combination with other Sika admixtures: Sigunit® L72 AF is compatible with Sika's water reducing, high range water reducing, hydration control admixtures and other admixtures. Trials with local materials is always recommended to verify performance.</p>
Packaging	Sigunit® L72 AF is available in 55 gallon drum (208 liter), 275 gallon totes (1040 liters) and bulk delivery.
Storage and Shelf Life	<p>Store in stainless steel or plastic container as the low pH of the admixture may cause corrosion if stored in normal steel container, which might affect the performance of the admixture. Protect from direct sunlight, heat and frost. If these conditions are unattainable, Sigunit® L72 AF may precipitate. If this occurs, the performance of Sigunit® L72 AF may be adversely effected and the regional Sika representative or technical service department at 1-800-933-7452 should be contacted.</p> <p>Shelf life when stored in unopened original containers, protected from direct sunlight and frost and kept at temperatures between 50°F and 86°F (5°C-30°C) is 6 months.</p>
Typical Data	
Appearance	Translucent to White Liquid
Specific Gravity	Approx. 1.42

KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY • FOR PROFESSIONAL USE ONLY

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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 Product 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.

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Western Region: Santa Fe Springs, CA, Phone: (972) 289-6480

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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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