



P1AF (Premixed)

Liquid Alkali-free Shotcrete Accelerator

Description	P1AF (Premixed) is a high performance, alkali-free liquid set accelerator for shotcrete applications.
Applications	<p>P1AF (Premixed) is suitable for both dry and wet spraying processes and it is used for:</p> <ul style="list-style-type: none">▪ Support at the face while advancing tunnels and mines▪ Rock and slope stabilization▪ High quality lining shotcrete
Advantages	<p>P1AF (Premixed) liquid shotcrete set accelerator has the following characteristics and advantages:</p> <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	<p>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 P1AF (Premixed) 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 P1AF (Premixed) depends on cement type, cement age, cement content and type of subgrade.</p>
Mixing	<p>P1AF (Premixed) 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 (100mm and above). Use of P1AF (Premixed) 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: P1AF (Premixed) is compatible with Sika's water reducing, high range water reducing, hydration control admixtures and other admixtures.</p> <p>Trials with local materials is always recommended to verify performance.</p>



Construction

Packaging	P1AF (Premixed) is available in 55 gallon drum (208 liter), 275 gallon totes (1040 liters) and bulk delivery.
Storage and Shelf Life	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, P1AF (Premixed) may precipitate. If this occurs, the performance of P1AF (Premixed) may be adversely effected and the regional Sika representative or technical service department at 1-800-933-7452 should be contacted. 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.
Typical Data	
Appearance	Liquid, translucent blue/green to white
Specific Gravity	Approx. 1.4
Caution	Irritant. Contains Aqueous Solution of Aluminum Salts (CAS:Mixture). May cause eye/skin/respiratory irritation. Harmful if swallowed. For further information, refer to the current Material Safety Data Sheet for this product.
Handling and Storage	Avoid direct contact. Wear personal protective equipment (chemical resistant face shield/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 launder before reuse.
First Aid	Eyes: Hold eyelids apart and flush thoroughly with water for 15 minutes. Skin: Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. Inhalation: Remove to fresh air. Ingestion: Do not induce vomiting. Dilute with water. Contact physician. In all cases contact a physician immediately if symptoms persist.
Clean Up	Use personal protective equipment (chemical resistant gloves/goggles/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 • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL 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 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 EXPRESS 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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