

SikaRetarder® P

Set time retarding concrete admixture

Product Description	<p>SikaRetarder® P is a set time retarding admixture which delays the hydration process of cement system without effecting the hydration speed once the admixture loses it's effect.</p> <p>SikaRetarder® P is CE- marked according to EN 934-2. CE-certificate nr: 2719-CPR-704.</p> <p>SikaRetarder® P fulfills the requirements for chemical products according to BASTA</p>
Uses	<p>Used in concrete and cement mortar to control starting point of the hydration process.</p> <p>When SikaRetarder® P is a granular (solid/powder) is especially appropriate when the management of Sika® Retarder in liquid form is not applicable.</p> <p>SikaRetarder® P also allows time consuming transport and work with fresh concrete in hot weather.</p> <p>SikaRetarder® P cannot be used in shotcrete applications when the function of shotcrete accelerator can get reduced effect.</p>
Form	
Appearance / Colour	White / Yellow granulate
Place of production	Sika Sverige AB Domnarvsgatan 15 SE-163 08 SPÅNGA SWEDEN
Packaging	Bucket 20 kg (30 buckets / pallet)
Storage	9 months from date of delivery if stored in undamaged and unopened original sealed containers, protected from direct sunlight and frost at temperatures between +5°C and +35°C.
Hazardous substances	See separate Material Safety Data Sheet (MSDS)
Technical Data	
Chemical Base	Phosphate based
Density	1.3 ± 0,1 kg/dm ³
pH Value	NA
Conventional Dry Material Content	100%
Total Chloride Ion Content % w/w	≤ 0.1 M.-%
Equivalent Sodium Oxide as % Na₂O	≤ 10,0 %



Dosage	According to application instructions.				
Application Instructions	<p>Add SikaRetarder® P together with the mixing water according to table below.</p> <table border="1"> <thead> <tr> <th>Recommended dosage / hour of set retardation W/C-ratio > 0,40 (% by weight of cement)</th> <th>Recommended dosage / hour of set retardation W/C-ratio < 0,40 (% by weight of cement)</th> </tr> </thead> <tbody> <tr> <td>0,015*</td> <td>0,030*</td> </tr> </tbody> </table> <p>*The effect of this admixture can vary depending on cement type and concrete / grout temperature.</p> <p>Small water reducing effect can occur.</p> <p>Over dosage could extremely prolong the setting time and promote water bleeding.</p> <p>SikaRetarder® P can be combined with Sika:s admixtures, each admixture shall be added separately.</p> <p>Recommended mixing time of 30 – 180 s depending of type of mixer type.</p> <p>Clean and rinse equipment with water.</p> <p>SikaRetarder® P shall not be used for shotcrete applications, effect of shotcrete accelerator could be reduced.</p> <p>A pre-trial shall always be conducted to verify the effect of admixture.</p>	Recommended dosage / hour of set retardation W/C-ratio > 0,40 (% by weight of cement)	Recommended dosage / hour of set retardation W/C-ratio < 0,40 (% by weight of cement)	0,015*	0,030*
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Health and Safety Information

See separate Material Safety Data Sheet (MSDS)

Legal notes

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 in accordance with Sika's recommendations. 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 user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. 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.



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