

## SikaTard®-900 P

### Retarder for cementitious binder systems

<b>Product Description</b>	SikaTard® -900 is a high-performance set retarder in powder form for cement and cement-gypsum based binder systems.
<b>Uses</b>	<p>SikaTard® -900 P provides excellent performance in the adjustment of setting time and workability cement-gypsum based dry mortars.</p> <p>The product is especially suitable for the following applications:</p> <ul style="list-style-type: none"><li>■ In cementitious self-levelling screeds</li><li>■ In ternary, OPC-rich self-levelling underlayments</li><li>■ In with cement stimulated anhydrite flow screeds</li><li>■ As additional retarder component to adjust application time in gypsum plaster and lime-gypsum-plaster</li></ul>
<b>Advantages</b>	<p>SikaTard® -900 P offers the following advantages:</p> <ul style="list-style-type: none"><li>■ Very effective on CEM I-cements with high sulphate resistance (HS)</li><li>■ Very effective on slag cements (CEM III)</li><li>■ Influence on the formation of ettringite in fresh mortar</li><li>■ Very efficient retardation in low dosages</li><li>■ High robustness in a wide dosage range</li><li>■ Extension of processing time up to several hours, depending on dosage</li><li>■ Compatible with other additives, such as Sika® ViscoCrete® superplasticizers</li><li>■ No reduction in the final strength (unlike with several fruit acid based retarders)</li></ul>
<b>Product Data</b>	
<b>Appearance / Colour</b>	White granules
<b>Chemical Base</b>	Phosphonate mix
<b>Density</b>	ca. 900 kg/m <sup>3</sup> (bulk density)
<b>pH Value</b>	> 11 at +23 °C (50 % solution)
<b>Chloride content</b>	≤ 22 %
<b>Packaging</b>	25 kg bag / 900 kg per pallet
<b>Storage Conditions / Shelf Life</b>	<p>Dry storage and protected from direct sunlight.</p> <p>36 months shelf life from date of production if stored properly in undamaged, unopened, original sealed packaging.</p>



## Application

<b>Consumption / Dosage</b>	<p>Typical dosage range: 0.2 - 2.0% of cement weight.</p> <p>Differences in cement type, cement age and storage conditions of the binder and other conditions and factors at the plant and/or on-site can also influence the setting time and therefore the dosage requirements.</p> <p>Note: Preliminary testing is required to determine the exact dosage for specific applications and conditions. Please contact our Technical Services Department for any additional information and assistance.</p>
<b>Dispensing / Mixing</b>	The product is added to the dry-mix.
<b>Compatibility</b>	<p>SikaTard® -900 P may be combined with many other Sika products and most commonly used additives including superplasticizers, foaming agents / defoamers and stabilizers. In these combinations i.e. with Sika® ViscoCrete® superplasticizers, additional improvements in flow and setting-time adjustment can also be achieved.</p> <p>Note: Always conduct trials before combining products in specific mixes and contact our Technical Services Department for additional information about specific combinations with other products.</p>

## Important Notes

<b>Health, Safety and Environment Information</b>	<p>For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.</p> <p>See the instructions on the packaging.</p>
<b>Value Base</b>	All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
<b>Legal Notes</b>	<p>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.</p>



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