

# Plastiment® -VZ

## Water Reducing and Set Retarding

<b>Description</b>	A liquid concrete plasticizer and water reducing agent with set retarding effect. Complies with A.S.T.M. C 494-92 Type D
<b>Uses</b>	Plastiment® -VZ is used as a general purpose admixture where the placing conditions for high quality concrete are more demanding such as : <ul style="list-style-type: none"> <li>■ Elevated temperatures.</li> <li>■ Fair faced concrete.</li> <li>■ Pumped concrete.</li> <li>■ Ready mix concrete.</li> <li>■ Areas where large volumes must be placed at one time.</li> <li>■ High mechanical strengths are required.</li> </ul>
<b>Advantages</b>	Plastiment® -VZ provides the following properties: <ul style="list-style-type: none"> <li>■ Increased setting time in hot weather. Accelerated hardening after setting.</li> <li>■ Improved workability without increase water content.</li> <li>■ Reduced water without loss of workability.</li> <li>■ Increased strengths.</li> <li>■ Reduced shrinkage and creep.</li> <li>■ Long lasting control of slump loss.</li> <li>■ Better surface finish.</li> <li>■ Chloride free – does not attack reinforcement.</li> </ul>
<b>Dosage</b>	0.15% - 0.40 % by weight of cement  The effective dosage of Plastiment VZ depends on the type of cement and fine aggregate, in general dosage of Plastiment VZ is in the range of 0.15 % - 0.25% for concrete having low absorption fine aggregate.  The dosage rate can be increased to 0.60% to overcome difficulties in quality of cement and aggregates, high temperature and difficult placing conditions.  Concrete trial mix shall be carried out to confirm the effective dosage and its effect to concrete properties  Plastiment® -VZ is compatible with all types of Portland cement including S.R.C.
<b>Dispensing</b>	Plastiment® -VZ should be dispensed directly into the mixing water prior to its addition to the aggregates.  When accidental overdosing occurs, Plastiment® -VZ does not entrain excessive amounts of air, however the set retarding effect increases. During this period the concrete must be kept moist in order to prevent premature drying out.

### Technical Data

<b>Type</b>	Polyhydroxy Carbon Salts.
<b>Colour</b>	Yellowish Transparent
<b>Specific Gravity</b>	1.17 – 1.19 kg/ ltr
<b>Shelf Life</b>	Minimum 1 year if stored in original unopened container
<b>Storage</b>	Dry, cool, shaded place



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<b>Packaging</b>	240 kg drum Bulk delivery
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<b>Handling Precautions:</b>	<ul style="list-style-type: none"><li>■ Avoid contact with skin and eyes</li><li>■ Wear protective gloves and eye protection during work</li><li>■ If skin contact occurs, wash skin thoroughly.</li><li>■ If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.</li></ul>
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<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 product 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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