

Plastiment® -V105

Mid-Range Water-Reducing Admixture

Product Description	<p>Plastiment® -V105 is a highly effective liquid Mid Range Water Reducing admixture for the production of medium to high workability concrete</p> <p>Plastiment® -V105 is chloride free admixture and is compatible with all types of Portland Cement including Sulphate Resistant Cement (SRC).</p>
Uses	<p>Plastiment® -V105 is suitable for the production of site mixed as well as ready mixed concrete</p> <ul style="list-style-type: none"> ■ Used for concrete with extended transport or placing times ■ Used for concrete in hot climates where long slump retention is required ■ Used for concrete using high absorbent sand ■ Used for concrete using high percentage of quarry dust
Characteristics / Advantages	<p>As a Mid Range Water Reducer</p> <ul style="list-style-type: none"> ■ Workability and slump retention is greatly improved ■ Increased placeability in slender components with packed reinforcements ■ Suitable for use in conjunction with standard super plasticizers (synergized mixes) ■ Significantly reduces the risk of segregation ■ Water reduction 4% -12% depending on dosage* <p><i>*(this will depend on dosage and mix design)</i></p>

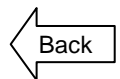


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Product Data	
Type	Modified Polysaccharide
Appearance / Colour	Dark Brown
Density	1.17 ± 0.20 kg/ ltr (at +25°C)
Packaging	200 litre drums 1,000 litre tanks & bulk delivery
Storage Condition / Shelf Life	12 months from the date of production if stored in undamaged and unopened, original sealed containers, protected from direct sunlight and frost, at temperatures between +5°C and +30°C.
System Information	
Application Details	
Dosage	<p>Plastiment® -V105 can be used at the dose rate 0.20% -1.00% per total weight of cementitious material depending on requirements concerning workability and strength. It is recommended that trial mixes be conducted to determine the exact dosage rate required.</p> <p>Note:</p> <p>Typical dose rate is 0.30% -0.50% by weight of cementitious material for normal absorbent sand e.g. silica sand</p> <p>For use in high absorbent sand e.g. volcanic sand or in the case of use of more than 30% of quarry dust (manufactured sand) the typical dose rate is in the range of 0.45 – 0.90%</p> <p>For more specific requirements, advice is available from our Technical Service Department to determine the usage rate for optimum results.</p>
Application Instructions	
Dispensing	<p>Plastiment® -V105 shall be dispensed with the mixing water into the truck mixer</p> <p>Do not dilute Plastiment® -V105</p>
Application Method / Tools	<p>The standard rules of good concreting practice, concerning production and placing, are to be followed.</p> <p>Laboratory trials before concreting on site are strongly recommended when using a new mix design or producing new concrete components.</p> <p>Fresh concrete must be cured properly and as early as possible.</p>
Cleaning of Tools	<p>Clean all tools and application equipment with water immediately after use.</p> <p>Hardened / cured material can only be removed mechanically.</p>
Notes of Application / Limitations	<p>When accidental overdosing occurs, Plastiment® -V105 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.</p>
Value Base	<p>All technical data stated in this Product Data Sheet are based on laboratory tests.</p> <p>Actual measured data may vary due to circumstances beyond our control.</p>
Health and Safety Information	<p>For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet (available on request) containing physical, ecological, toxicological and other safety-related data.</p>
Legal Notes	<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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