

# Sika® Plastocrete® Super

Liquid Integral water reducing cum waterproofing admixture

Construction

<b>Product Description</b>	Water reducing and waterproofing admixture for all types of concrete and mortar.
<b>Uses</b>	Sika® Plasocrete® Super is recommended for use in structural and mass concrete, particularly for the following: <ul style="list-style-type: none"><li>■ Sloped Roof Slab</li><li>■ Flat Roof Slab</li><li>■ Beams</li><li>■ Columns</li><li>■ Slabs etc</li></ul> Also used in: <ul style="list-style-type: none"><li>■ Internal and external plaster of buildings etc.</li><li>■ Repair and renovation</li></ul>
<b>Characteristics / Advantages</b>	Sika® Plasocrete® Super provides the following beneficial properties : <ul style="list-style-type: none"><li>■ Compatible with all varieties of Portland cement including Slag Cement.</li><li>■ Required at a very small dosage hence convenient to handle and greater economy</li><li>■ Improves water tightness to a great extent.</li><li>■ Reduced shrinkage, better finish</li><li>■ Improves workability</li><li>■ Rebound loss is low</li><li>■ No added chloride- does not attack reinforcement</li></ul>
<b>Tests</b>	
<b>Approvals/Standards</b>	IS 9103-1999, IS 2645-1975 and ASTM C-494
<b>Product Data</b>	
<b>Form</b>	
<b>Appearance / Colour</b>	Brown liquid
<b>Packaging</b>	100gm, 500gm, 1kg, 5kg, 10kg, 20kg, 100kg
<b>Storage</b>	
<b>Storage Conditions / Shelf -Life</b>	Best before 12 months from date of production if stored properly in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost.



<b>Technical Data</b>	
<b>Chemical Base</b>	Modified Naphthalene Formaldehyde Sulphonate
<b>Specific Gravity</b>	~1.04 at 25°C
<b>pH</b>	>6
<b>System Information</b>	
<b>Application Details</b>	
<b>Consumption / Dosage</b>	0.2% by weight of cement (100g per 50kg bag of cement)
<b>Applications conditions/Limitations</b>	
<b>Compatibility</b>	Sika® Plasocrete® Super may be combined with many other Sika® products. Important: Always conduct trials before combining products in specific mixes and combinations. Compatible with all types of cement and cementitious material
<b>Application Instructions</b>	
<b>Dispensing</b>	For Concrete: <ul style="list-style-type: none"> <li>■ Mix cement, aggregates and sand and dry mix</li> <li>■ Add 50-70 % of required water and mix the mass to make it moist</li> <li>■ Add Sika® Plasocrete® Super to the remaining water and pour it in the mixing drum and mix the entire quantity for approx. 3 minutes to achieve homogeneous mix</li> </ul> For Mortar: <ul style="list-style-type: none"> <li>■ Mix cement and sand and dry mix</li> <li>■ Add 50-70 % of required water and mix the mass to make it moist</li> <li>■ Add Sika® Plasocrete® Super to the remaining water and pour in the mixture</li> <li>■ Mix the entire quantity for approx. 3 minutes to achieve homogeneous mix</li> </ul>
<b>Application Method/Tools</b>	By use Sika® Plasocrete® Super concrete of highest quality can be produced. The standard rule of good concreting practice, concerning production, placing and testing are to be followed. Fresh concrete must be cured as per the relevant standard.
<b>Cleaning of Tools</b>	Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be mechanically removed.
<b>Notes on Applications/Limitations</b>	If frozen and/or if precipitation occur, Sika® Plasocrete® Super may be used after thawing slowly at room temperature and after intensive mixing.
<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>Health and Safety Information</b>	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.
<b>Legal Notes</b>	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.



Registered office: Sika India Pvt. Ltd. Phone +91 33 2447 2448/2449  
Commercial Complex II Telefax +91 33 2396 8688  
620, Diamond Harbour Road ind.sika.com  
Kolkata, 700 034, India info.india@in.sika.com