



RESIKON-SP 100 **COST EFFECTIVE SUPERPLASTICIZER**

TECHNICAL DATA SHEET

INTRODUCTION	<p>RESIKON SP-100 has been designed as an excellent cost effective superplasticiser based on sulphonated naphthalene formaldehyde condensate. It improves workability and reduces water requirement in concrete and mortar. RESIKON SP-100 easily mixes in water and effectively disperses cement particles exposing large surface area of cement. It improves workability and strength is attained with less cement.</p>																								
AREAS OF APPLICATION	<p>Producing concrete with reduced water cement ratio and increased workability. Addition of RESIKON SP-100 disperses cement particles thus minimizes the segregation and makes concrete more flowable. Produces compact, less permeable and durable concrete.</p>																								
FEATURES & BENEFITS	<p>RESIKON SP-100 is useful for the following:</p> <ul style="list-style-type: none">• Reduction in water cement ratio• Improvement in flow behavior of concrete and mortar• Production of compact and dense concrete• Enhancement in strength• Cost effective																								
TYPICAL PROPERTIES	<table><tr><td>Appearance</td><td>:</td><td>Brown liquid</td></tr><tr><td>pH</td><td>:</td><td>7 -9</td></tr><tr><td>% Total Solids</td><td>:</td><td>25 ± 1</td></tr><tr><td>Viscosity by B4 FC at 30°C [sec]</td><td>:</td><td>12-16</td></tr><tr><td>Sp gravity</td><td>:</td><td>1.05-1.15</td></tr><tr><td>Chloride content</td><td>:</td><td>As per IS Standards</td></tr><tr><td>Workability</td><td>:</td><td>Excellent</td></tr><tr><td>Sulphate (%)</td><td>:</td><td>Nil</td></tr></table>	Appearance	:	Brown liquid	pH	:	7 -9	% Total Solids	:	25 ± 1	Viscosity by B4 FC at 30°C [sec]	:	12-16	Sp gravity	:	1.05-1.15	Chloride content	:	As per IS Standards	Workability	:	Excellent	Sulphate (%)	:	Nil
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DOSAGES	RESIKON SP-100 can be used in range of 200-500 ml per bag of cement, depending upon the workability requirement. It's addition should done along with gauging water. It is recommended to have site trials in prevailing conditions to determine optimum dosage.
PACKING	20, 240 kg in HDPE /STEEL container
STORAGE	RESIKON SP-100 can be stored for twelve months in a tightly closed container under the shed
SAFETY DATA	<p>HEALTH HAZARD: RESIKON SP-100 is non toxic in nature. It is recommended to take necessary precaution, which one would take while handling alkaline substance. Use rubber hand gloves, splash goggles etc. Direct contact with any part of the body, especially with eyes must be avoided. In case of contact or splash into eyes, wash with water immediately and consult a physician.</p> <p>FIRE HAZARD: By itself it cannot catch fire. If comes in contact with alkali, heat and fumes can get generated.</p>
DISCLAIMER	This information is given to the best of our knowledge. There is no legally binding assurance of certain properties for a specific purpose. The customer is responsible for determining whether the product and Information provided here is appropriate for his use. It is the sole responsibility of the customer to ensure that any proprietary rights and existing laws and legislation are observed.

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