

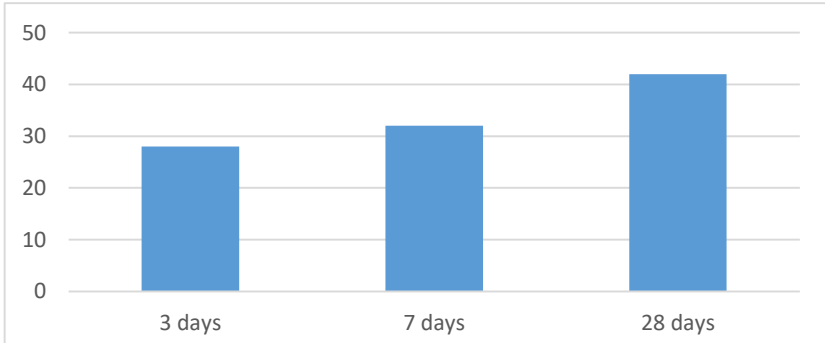
Eco Build 4605NS

Water reducer & Slump retention admixture for concrete.

<p>Description</p>	<p>Eco Build 4605NS is the main material for the concrete admixture. It shows the high water reducing effect based on Sulphonated Napthalene Polymers.</p> <p>The product has been primarily developed for applications in ready mix and site batched concrete. Eco Build 4605NS makes possible for long time slump retention but using less water than other products.</p> <p>Eco Build 4605NS has been specially formulated to give high water reductions up to 25 % & slump retention without loss of workability or to produce high quality concrete of reduced permeability.</p>												
<p>Uses</p>	<ul style="list-style-type: none"> • Good workability for long distance transportation • Ready Mixed Concrete • High water reduction and High ultimate strength • Pumped concrete • To maintain minimum water cement ratio in concrete • Increased durability • Improve density and surface finish 												
<p>Advantages</p>	<ul style="list-style-type: none"> • Substantial improved in Workability. • Reduction shrinkage and surface finish • Lower permeability • Improved cohesion and particle dispersion minimizes segregation & bleeding and improved pump ability • Improved density and surface finish • Feasible to use to make good fare face concrete • Chloride free dose not attack reinforcement and pre stressed cable. 												
<p>Technical Data</p>	<table border="1"> <tr> <td>Color</td> <td>Dark Brown liquid</td> </tr> <tr> <td>Specific Gravity</td> <td>1.22+0.02 at 25 C</td> </tr> <tr> <td>Chloride Content</td> <td>Below 0.001%</td> </tr> <tr> <td>PH</td> <td>4.5 + 1.0</td> </tr> <tr> <td>Viscosity</td> <td>450+200 cPs</td> </tr> <tr> <td>Salt Scaling Resistance</td> <td>Excellent</td> </tr> </table>	Color	Dark Brown liquid	Specific Gravity	1.22+0.02 at 25 C	Chloride Content	Below 0.001%	PH	4.5 + 1.0	Viscosity	450+200 cPs	Salt Scaling Resistance	Excellent
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<p>Standard Compliance</p>	<p>Eco Build 4605NS complies with IS 9103 & EN 934-2</p> <p>Eco Build 4605NS conforms to ASTM C-494, Type `B`, Type `D` and Type `G`.</p>												

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<p>Dosage</p>	<p>The optimum dosage is best determined by site trials with the concrete mix which enables the effects of workability, strength gain or cement reduction to be measured. Site trails with Eco Build 4605NS should always be compared with mix containing no admixture. As a guide, the rate of addition is generally in the range of 400 ml to 1200 ml per 100 kg cement. For good quality workable concrete the ideal dose of Eco Build 4605NS lays from 0.7% to 1.2% by weight of cement used in the mix design.</p>																				
<p>Packaging</p>	<p>Eco Build is packaged depending on customer`s demand</p> <ul style="list-style-type: none"> • 250 kg PE Drum 																				
<p>Caution & Storage</p>	<p>Do not allow product to freeze or be stored in temperature below freezing</p> <ul style="list-style-type: none"> • Non-flammable & Non-toxic. • When contact with skin or clothing, wash with water. 																				
<p>Application</p>	<ul style="list-style-type: none"> • Reduction of segregation and bleeding in the mix at high workability. • Self-compacting concrete • High-rise buildings with high durability • Reduced shrinkage and creep • Pre-cast & Pre-stressed elements • Improve density and surface finish. 																				
<p>Experimental Result</p>	<table border="1" data-bbox="594 1285 1414 1451"> <thead> <tr> <th colspan="4">Slump (mm)</th> </tr> <tr> <th>Initial</th> <th>1 hr</th> <th>2 hr</th> <th>2.5 hr</th> </tr> </thead> <tbody> <tr> <td>200</td> <td>180</td> <td>130</td> <td>100</td> </tr> </tbody> </table>  <table border="1" data-bbox="594 1545 1414 1885"> <caption>Compressive Strength (Mpa)</caption> <thead> <tr> <th>Days</th> <th>Compressive Strength (Mpa)</th> </tr> </thead> <tbody> <tr> <td>3 days</td> <td>28</td> </tr> <tr> <td>7 days</td> <td>32</td> </tr> <tr> <td>28 days</td> <td>42</td> </tr> </tbody> </table>	Slump (mm)				Initial	1 hr	2 hr	2.5 hr	200	180	130	100	Days	Compressive Strength (Mpa)	3 days	28	7 days	32	28 days	42
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