

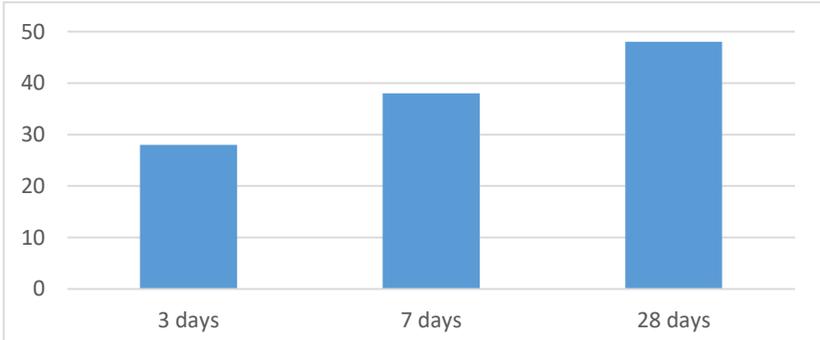
# Eco Build 4627p9

PCE based reducing superplasticising admixture for concrete.

<b>Description</b>	<p><b>Eco Build 4627p9</b> is a unique combination of the latest generation superplasticisers on a modified Polycarboxylic Ether (PCE) polymer with long lateral chains. The product has been primarily developed for applications in ready mix and site batched concrete. <b>Eco Build 4627p9</b> makes possible for long time slump retention but using less water than other products.</p> <p><b>Eco Build 4627p9</b> has been specially formulated to give high water reductions up to 30 % without loss of workability or to produce high quality concrete of reduced permeability.</p>												
<b>Uses</b>	<ul style="list-style-type: none"><li>• Good workability for long distance transportation</li><li>• Ready Mixed Concrete</li><li>• High water reduction and High ultimate strength</li><li>• Pumped concrete</li><li>• Precast/ pre stress concrete</li><li>• To maintain minimum water cement ratio in concrete</li><li>• Increased durability</li><li>• Improve density and surface finish</li></ul>												
<b>Advantages</b>	<ul style="list-style-type: none"><li>• Substantial improved in Workability.</li><li>• Reduction shrinkage and surface finish</li><li>• Lower permeability</li><li>• Improved cohesion and particle dispersion minimizes segregation &amp; bleeding and improved pump ability</li><li>• Improved density and surface finish</li><li>• Feasible to use to make good fare face concrete</li><li>• Chloride free dose not attack reinforcement and pre stressed cable.</li></ul>												
<b>Technical Data</b>	<table border="1"><tr><td>Color</td><td>Yellowish viscous liquid</td></tr><tr><td>Specific Gravity</td><td>1.08+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	Yellowish viscous liquid	Specific Gravity	1.08+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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<b>Standard Compliance</b>	<p><b>Eco Build 4627p9</b> complies with IS 9103:1999 &amp; EN 934-2</p> <p><b>Eco Build 4627p9</b> conforms to ASTM C-494, Type `B`, Type `D` and Type `G`.</p>												

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<p><b>Dosage</b></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 <b>Eco Build 4627p9</b> 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 <b>Eco Build 4627p9</b> lays from 0.7% to 1.2% by weight of cement used in the mix design.</p>																				
<p><b>Packaging</b></p>	<p>Eco Build is packaged depending on customer`s demand</p> <ul style="list-style-type: none"> <li>• 250 kg PE Drum</li> </ul>																				
<p><b>Caution &amp; Storage</b></p>	<p>Do not allow product to freeze or be stored in temperature below freezing</p> <ul style="list-style-type: none"> <li>• Non-flammable &amp; Non-toxic.</li> <li>• When contact with skin or clothing, wash with water.</li> </ul>																				
<p><b>Application</b></p>	<ul style="list-style-type: none"> <li>• Reduction of segregation and bleeding in the mix at high workability.</li> <li>• Self-compacting concrete</li> <li>• High-rise buildings with high durability</li> <li>• Reduced shrinkage and creep</li> <li>• Pre-cast &amp; Pre-stressed elements</li> <li>• Improve density and surface finish.</li> </ul>																				
<p><b>Experimental Result</b></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>3 hr</th> </tr> </thead> <tbody> <tr> <td>220</td> <td>230</td> <td>180</td> <td>120</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>38</td> </tr> <tr> <td>28 days</td> <td>48</td> </tr> </tbody> </table>	Slump (mm)				Initial	1 hr	2 hr	3 hr	220	230	180	120	Days	Compressive Strength (Mpa)	3 days	28	7 days	38	28 days	48
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