

ENTERIC COATING BY (K-COAT EC4S)

How to Use	Solvent System
Use Level	6.5% - 7.5% w/w
Vehicle recommended	Isopropyl alcohol - 70.0% w/w Acetone - 30.0% w/w
Example:	<p>B.Size: 40.0 kg Punch Size: 10/32" (8mm approx) Avg. wt. of tablet: 240mg *K-Coat EC4S require for 7.0% = 2.800 kg</p> <p>Formulation:</p> <p>K-Coat EC4S : 2.800 kg Acetone : 12.000 kg IPA : 30.000 kg Total : 44.800 kg</p> <p>Suitable Solvent Option: 1. I.P.A. – 35.00 kg + 0.084 kg D.M.Water</p> <p>Solid % in solution =6.54% w/w</p>
Method of solution preparation	<ul style="list-style-type: none"> • Weigh required quantity of Total solvents into mixing vessel. • With the propeller in the center and close to the bottom of the vessel as possible, stir the solvents to form a vortex. • Quickly add the K-COAT EC4S to the vortex, avoiding flotation of powder on surface. • Increase the stirrer speed in order to maintain vortex if required. • Stir for 30 – 45 minutes. • Filter the solution through 150micron opening sieve.
Tablet Parameter	<p>Hardness: NLT 4.0 kg/cm² Friability: NMT 0.5%</p>
Equipment Criteria: 36" conventional coating pan having 6-8 artificial baffles.	<p>Air Pressure: Inlet Air Temp.: 50 – 60⁰C Bed Temp: 35 – 40⁰C Pan RPM: 8 - 12 Rate of Spray (g/min): 50 – 75 g/min.</p>
Cleaning of Equipment	<ul style="list-style-type: none"> • K-Coat EC4S is readily soluble in alkaline water. • Clean first with one of the following solutions; <ul style="list-style-type: none"> - 0.1N Sodium Hydroxide - Calcium Carbonate - Sodium Bicarbonate <p>Then rinse with Deionized Water.</p>
Application:	Rabeprazole, Pentoprazole, Sodium Valporate, Diclofenac sodium, Quinine sulphate, Besacodyl, Aspirin,

* May be varies as per coating facility, nature of product and average weight of tablet.