

* patent pending

QuickCoatTM

Advantages of QuickCoat.

01

Reconstitution upto 25% w/w.
Quickcoat is based on HPMC.

02

Reduction in coating time upto 60%.
Easy to handle, no stickiness during coating.

03

Easy cleaning of coating equipment.
No Logo bridging. Faster and uniform coating.

04

Used either in Aqueous / Non Aqueous solvent systems.
Coating at low bed temp. (30° - 35° C) enhances stability of API.

05

Guaranteed increased productivity. Saves overall production cost.
Easy sprayability covers more coating area thus leads to less consumption.



QuickCoat

Computerised colour
matching ensures
colour shade consistency.



QuickCoat

Is now globally accepted
as a technologically
superior grade of
WINCOAT.



QuickCoat

A complete system
for fast and rapid film
coating.



QuickCoat

Can be used in any
coating machine.



QuickCoat

Over 100 satisfied clients
domestic and globally.

Viscosity Comparison of different formulation with HPMC 15Cps, 5 Cps, and combination of 15 Cps & 5 Cps and QuickCoat.

Constant parameters:

Instrument: Brookfield Viscometer.

Temperature: @ 25±2°C

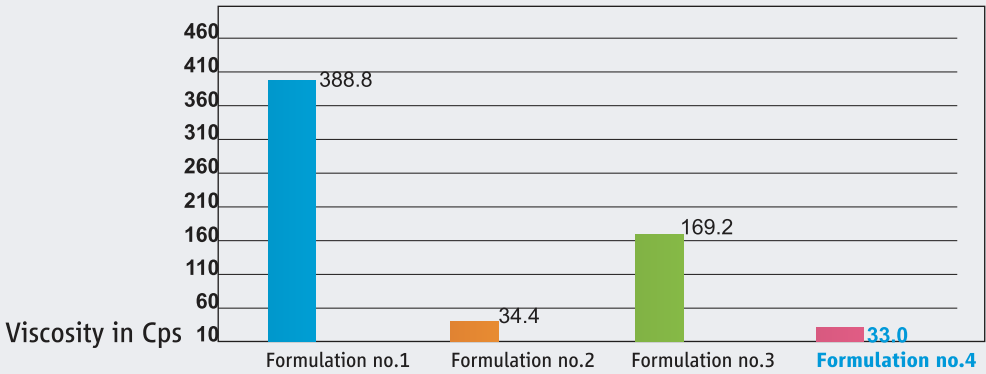
Spindle no: 61

Spindle rpm: 10

Quantity of slurry for viscosity determination: 500 gm

| FORMULATION NO. | DIFFERENT FORMULATIONS | RECONSTITUTION w/w | VISCOSITY Cps |
|-------------------|--------------------------------------|--------------------|---------------|
| Formulation no. 1 | With HPMC 15 Cps. | 10% | 388.8 |
| Formulation no. 2 | With HPMC 5 Cps. | 10% | 34.4 |
| Formulation no. 3 | With HPMC 15 and 5 Cps (combination) | 10% | 169.2 |
| Formulation no. 4 | QuickCoat | 20% | 33.0 |

Viscosity Comparison:



Conclusion:

From the above results it can be concluded that at 10% w/w reconstitution level the viscosity of formulation No. 1, 2, 3, is more than formulation **No. 4 QuickCoat** even though **QuickCoat** suspension is 20 % w/w.

Time and Temperature advantage of QuickCoat over conventional film coating

Coating Trials conducted with conventional coating material Vs QuickCoat

Coating Machine: Autocoater

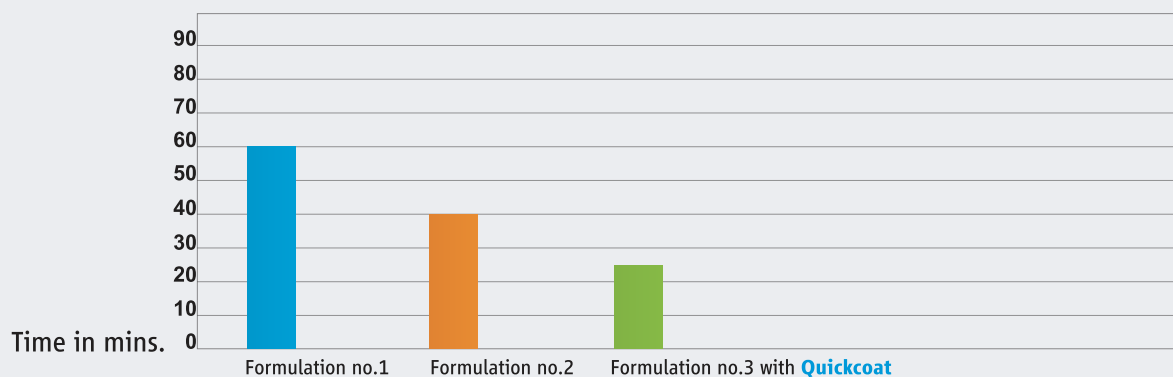
Dummy tablet batch size: 1.00 kg

Solvent System: Aqueous

| DIFFERENT FORMULATIONS | RECONSTITUTION w/w | WEIGHT GAIN | COATING TIME REQUIRED | APPEARANCE OF COATED TABLETS | INLET TEMPERATURE |
|-------------------------------------|--------------------|-------------|-----------------------|------------------------------|--------------------------------------|
| Formulation no. 1 with HPMC 15 Cps | 8% | 2.3% | 60 minutes | Smooth Uniform coating | 60 ^o to 65 ^o C |
| Formulation no. 2 with HPMC 5 Cps | 10% | 2.3% | 40 minutes | Smooth Uniform coating | 60 ^o to 65 ^o C |
| Formulation no. 3 *QuickCoat | 25% | 2.3% | 25 minutes | Smooth Uniform coating | 42 ^o to 48 ^o C |

*Exhaust Opening - 60% OR above.

Coating time comparison.



Conclusion:

From the above results it can be concluded that the coating time and temperature required is comparatively less with Formulation No. 3 **QuickCoat**.

Therefore **QuickCoat** formulation with reconstitution level upto 25% w/w results the fast coating. Coating time reduction upto 60%.

For Sample / Trial request, call us on : +91 22 2585 5214, 098207 97629

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Readymix for Tablet Coating

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