

Reconstitution

Opadry® amb II, high performance moisture barrier film coatings are quick and easy to prepare. Simply pour the Opadry amb II powder into water and mix for 45 minutes with a propeller stirrer as described below.

It is recommended that this coating suspension is reconstituted at up to 20% solids w/w and applied to a minimum weight gain of 5.00 mg/cm² (4%). Your Colorcon Area Technical Manager (ATM) can assist you to optimize the solid levels for this dispersion according to the atomizing capabilities of your equipment.

MATERIALS

- OPADRY® amb II film coating system.
- Water, deionized or distilled preferred, ambient temperature (maximum 30 °C)

EQUIPMENT

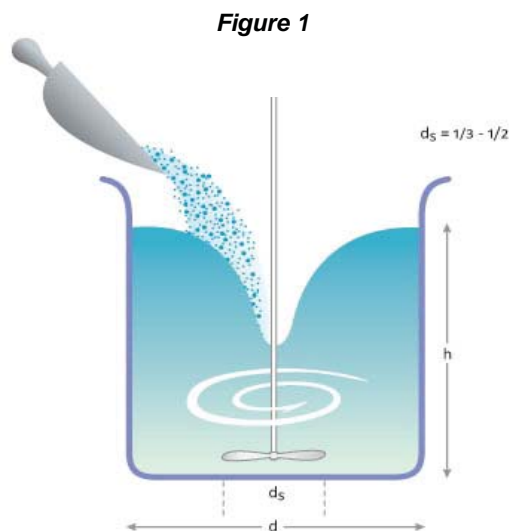
- Variable-speed mixer capable of producing and maintaining a vortex.
- Propeller stirrer with a diameter equivalent to 1/3 - 1/2 of the diameter of the mixing vessel. (Figure 1)
- Mixing vessel large enough to contain a liquid volume 15% to 25% greater than the total suspension being prepared. The liquid height should be equal to or greater than the vessel diameter.

*MIXING PROCEDURE

1. Weigh necessary quantity of water into the mixing vessel.
2. Weigh necessary quantity of OPADRY® amb II film coating system.
3. Place the propeller in the center and as close to the bottom of the vessel as possible. Stir the water to form a vortex without drawing air into the liquid. (Figure 1)
4. Steadily add the OPADRY® amb II powder to the vortex, avoiding powder flotation on the liquid surface. If required, increase the stirrer speed in order to maintain the vortex.
5. After all the OPADRY® amb II powder has been added; reduce the mixer speed to nearly eliminate the vortex. Mix for 45 minutes.

SUSPENSION HANDLING

The prepared OPADRY® amb II dispersion can be pumped directly from the preparation vessel if desired. We recommend that the OPADRY® amb II dispersion be gently agitated during the coating process.



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