

Reconstitution

Opadry[®] amb, aqueous moisture barrier film coating systems, are quick and easy to prepare. Simply add the film coating powder to water and mix for 45 minutes with a propeller stirrer.*

The coating suspension can be made with up to 20% solids. Your Area Technical Manager can recommend the ideal solids for your specific Opadry amb system and your equipment.

MATERIALS

- Opadry amb 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. For optimum mixing, utilize a propeller with a diameter equivalent to 1/4 -1/3 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 and vessel diameter should be equal.

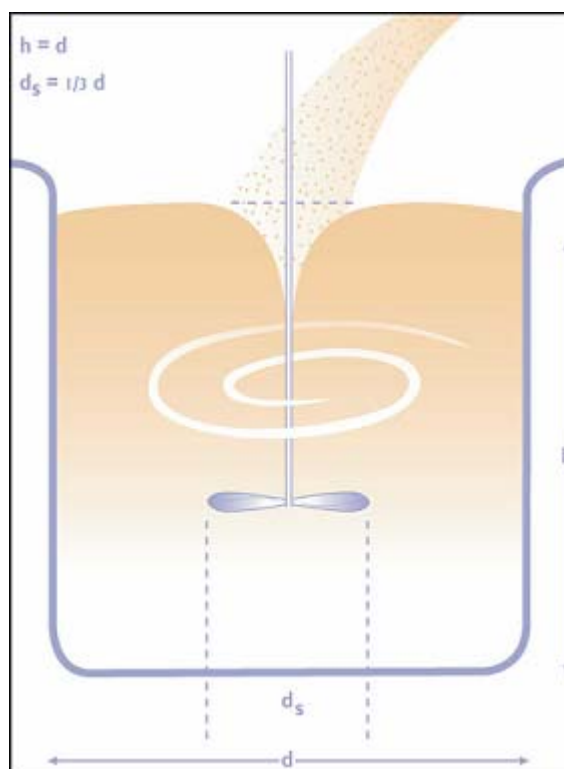
*MIXING PROCEDURE

1. Weigh necessary quantity of Opadry amb powder.
2. Weigh necessary quantity of water in the mixing vessel.
3. With 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.
4. Steadily add the Opadry amb 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 powder has been added, reduce the mixer speed to nearly eliminate the vortex. Mix for 45 minutes.

SUSPENSION HANDLING

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

Figure 1



For more information, contact your Colorcon representative or call:

North America
+1-215-699-7733

Europe/Middle East/Africa
+44-(0)-1322-293000

Asia Pacific
+65-6438-0318

Latin America
+54-11-4552-1565

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