

Reconstitution - Pigmented

Opadry® QX, quick and flexible film coating system, is easy to prepare. Simply pour the Opadry QX powder into water and mix for 25 minutes with a propeller stirrer as described below.* It is recommended that this coating suspension is reconstituted at 30% solids w/w and applied to a minimum weight gain of 2.48 - 3.71 mg/cm² (2 - 3%), although the product can be applied up to 35% solids. 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.

Figure 1

MATERIALS

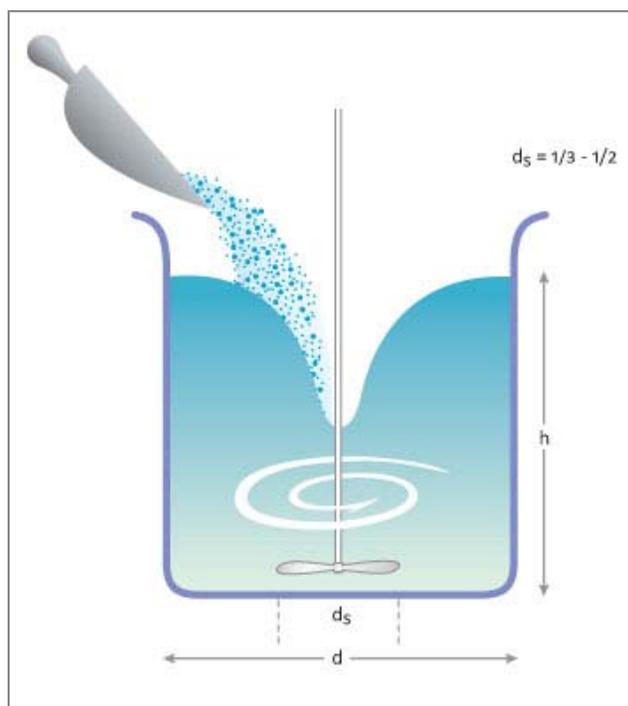
- OPADRY® QX film coating system
- Water, deionized or distilled preferred, ambient temperature (maximum 30 °C)

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® QX 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® QX 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® QX powder has been added, reduce the mixer speed to nearly eliminate the vortex.
6. Mix for 25 minutes.



SUSPENSION HANDLING

The prepared OPADRY® QX dispersion can be pumped directly from the preparation vessel if desired.

We recommend that the OPADRY® QX dispersion be gently agitated during the coating process.

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