



Tech Talk From

Prisco®

Tech Talk #C4

AQUEOUS COATING START UP PROCEDURE FOR TOWER COATERS

A Tower Coating unit is any coater that applies coating directly to the blanket utilizing a large applicator roller and one or more smaller metering rollers.

Blanket Procedure

1. Use a compressible blanket.
2. Pack blanket to press manufacturer's specifications.
3. Cut the packing ¼" (6mm) smaller than the sheet size on both sides and the tail.
4. Cut the packing off sharply, do not step the blanket packing.
5. Cutting and stripping the blanket, CAD cut systems, or Cyrel plates can all be used to achieve spot or pattern coating.

METERING ROLLER SETTING

1. To adjust the metering roller(s) reduce the pressure until a heavy film of coating is applied to the applicator roller. Gradually increase the pressure until a thin film of coating is applied to the applicator roller. The coating film should appear milky white, almost clear, on the applicator roller.
2. The correct film thickness should yield a stripe on the applicator roller of 4-6mm (.157"-.250").
3. Consult press manufacturer's specifications for recommended coating unit pressure settings.
4. Proper application of coating to the blanket is achieved when a coating stripe of 4-6mm (.157"-.250") appears on the blanket.

Back Cylinder Setting

1. The pressure should be adjusted to provide a light kiss impression.
2. To determine the proper pressure, the backpressure is reduced until the coating film fails to transfer evenly to the sheet. Then the backpressure is increased in .002" (.05mm) increments until an even film of coating is achieved.
3. Once the proper stripes are set to the applicator and the blanket, do not change them. The only adjustment needed is done with the back cylinder for different weight and caliper substrates. When changing substrates, repeat step 2 in this procedure.
4. Too much back cylinder pressure will result in a build-up of coating on the tail end of the sheet.

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