

15A NCAC 02D .0921 FABRIC AND VINYL COATING

(a) For the purpose of this Rule, the following definitions apply:

- (1) "Fabric coating" means applying protective or functional coatings to a textile substance with a knife, roll, rotogravure, rotary screen, or flat screen coater to impart properties that are not initially present, such as strength, stability, water or acid repellency, or appearance. Printing on textile fabric for decorative or other purposes is not part of this definition. Saturation operations are included in this definition.
- (2) "Knife coating" means the application of a coating material to a substrate by means of drawing the substrate beneath a knife which spreads the coating evenly over the full width of the substrate.
- (3) "Roll coating" means the application of a coating material to a substrate by means of hard rubber or steel rolls.
- (4) "Rotogravure coating" means the application of a coating material to a substrate by means of a roll coating technique in which the pattern to be applied is etched on the coating roll. The coating material is picked up in these recessed areas and is transferred to the substrate.
- (5) "Vinyl coating" means applying a functional, decorative, or protective topcoat, or printing on vinyl coated fabric or vinyl sheets.
- (6) "Rotary screen or flat screen coating" means the application of a coating material to a substrate by means of masking the surface and applying a color or finish using a screen either in flat form or rotary form.

(b) This Rule applies to roll, knife, rotogravure, rotary screen, or flat screen coater(s) and drying oven(s) of fabric and vinyl coating lines.

(c) With the exception stated in Paragraph (d) of this Rule, emissions of volatile organic compounds from any fabric coating line or vinyl coating line subject to this Rule shall not exceed:

- (1) 4.8 pounds of volatile organic compounds per gallon of solids delivered to the coating applicator from a fabric coating line;
- (2) 7.9 pounds of volatile organic compounds per gallon of solids delivered to the coating applicator from a vinyl coating line.

(d) Any source which has chosen to control emissions of volatile organic compounds under Rule .0518(e) of this Subchapter and which has installed air pollution control equipment in accordance with an air quality permit in order to comply with this Rule before December 1, 1989, may comply with the limits contained in this Paragraph instead of those contained in Paragraph (c) of this Rule. Emissions of volatile organic compounds from any fabric coating line or vinyl coating line subject to this Rule shall not exceed:

- (1) 2.9 pounds of volatile organic compounds per gallon of coating, excluding water and exempt compounds, delivered to the coating applicator from a fabric coating line;
- (2) 3.8 pounds of volatile organic compounds per gallon of coating, excluding water and exempt compounds, delivered to the coating applicator from a vinyl coating line.

*History Note: Authority G.S. 143-215.3(a)(1); 143-215.107(a)(5);
Eff. July 1, 1979;
Amended Eff. July 1, 1996; July 1, 1991; December 1, 1989; January 1, 1985.*