

**REGULATION 8
ORGANIC COMPOUNDS
RULE 12
PAPER, FABRIC AND FILM COATING**

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REGULATION 8
ORGANIC COMPOUNDS
RULE 12
PAPER, FABRIC AND FILM COATING

(Adopted January 17, 1979)

8-12-100 GENERAL

8-12-101 Description: The purpose of this Rule is to limit emissions of volatile organic compounds (VOC) from the application of coatings and adhesives to paper, fabric or films. Any operation which is determined to be exempt from the provisions of this Rule shall be subject to the provisions of Rule 4, if not already subject to another rule of Regulation 8. (Amended June 18, 1986; June 21, 1989)

8-12-110 Exemptions: This Rule shall not apply to the following:

- 110.1 Any coating line which emits less than 6.5 kg (14.3 pounds) per day.
- 110.2 Deleted October 6, 1993
- 110.3 Operations manufacturing converted flexible packaging materials for packaging of food or health care products for human or animal consumption. Such line is subject to Rule 20 of this Regulation unless exempted by that rule.
- 110.4 Deleted June 21, 1989
- 110.5 Any coating line where printing or decorative design is applied on the same line. Such line is subject to Rule 20 of this Regulation unless exempted by that rule.

(Amended July 16, 1980; June 18, 1986; June 21, 1989; October 6, 1993)

8-12-200 DEFINITIONS

8-12-201 Approved Emission Control System: A system for reducing emissions of VOC to the atmosphere, consisting of a control device and a collection system, which meets the requirements of Regulation 2, Rule 1, and which satisfies the following conditions:

- 201.1 The control device shall operate at the efficiency required to meet the standards set forth in Section 301 at all times during normal operation of the equipment being controlled.
- 201.2 The collection system shall vent all drying oven exhaust to the control device.
- 201.3 The collection system shall have one or more inlets for collection of fugitive emissions.
- 201.4 The collection system shall be designed and operated in accordance with good engineering practice for maximum collection of fugitive emissions.

(Adopted June 18, 1986; Amended October 6, 1993)

8-12-202 Coating Line: All operations involved in the application, curing and/or drying of paper, fabric and film coatings or adhesives, which are applied uniformly across the substrate.

(Renumbered June 18, 1986; Amended June 21, 1989)

8-12-203 Converted Flexible Packaging Materials: Any paper, plastic or foil substrate, or any combination of those materials, which is coated, waxed, laminated, printed or otherwise treated for fabrication into bags, pouches or other preformed flexible packages. (Renumbered June 18, 1986)

8-12-204 Fabric Coating: Any decorative or protective coating or reinforcing material applied on or impregnated into textile fabric or vinyl coated textile fabric or vinyl sheets.

(Renumbered June 18, 1986)

- 8-12-205 Film Coating:** Any coating applied in a web coating process on any film substrate other than paper or fabric, including but not limited to typewriter ribbons, photographic film, magnetic tape and metal foil gift wrap. (Renumbered June 18, 1986)
- 8-12-206 Paper Coating:** Any coating applied on or impregnated into paper, including but not limited to adhesive tapes and labels, book covers, post cards, office copier paper, drafting paper and pressure sensitive tape. (Renumbered June 18, 1986)
- 8-12-207 Liquid Leak:** A leak of or greater than four drops per minute.
(Adopted June 21, 1989)
- 8-12-208 Volatile Organic Compounds:** Any organic compound (excluding methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates and ammonium carbonate) which would be emitted during use, application, curing or drying of a solvent or surface coating.
- 208.1 For purposes of calculating VOC content of a coating, any water or the following non-precursor organic compounds shall not be considered to be part of the coating:
- methylene chloride
 - 1,1,1 trichloroethane
 - 1,1,2-trichlorotrifluoroethane (CFC-113)
 - trichlorofluoromethane (CFC-11)
 - dichlorodifluoromethane (CFC-12)
 - dichlorotetrafluoroethane (CFC-114)
 - chloropentafluoroethane (CFC-115)
 - chlorodifluoromethane (HCFC-22)
 - trifluoromethane (HFC-23)
 - acetone
 - parachlorobenzotrifluoride (PCBTF)
 - cyclic, branched or linear, completely methylated siloxanes (VMS)
- (Adopted June 21, 1989, Amended December 20, 1995)
- 8-12-209 Adhesive:** Any substance applied for the primary purpose of bonding surfaces together. (Adopted June 21, 1989)
- 8-12-210 Key System Operating Parameter:** An emission control system operating parameter, such as temperature, flow rate or pressure, that ensures operation of the abatement equipment within manufacturer specifications and compliance with the standards in Section 8-12-301.2. (Adopted June 15, 1994)
- 8-12-300 STANDARDS**
- 8-12-301 Limitations, Coating Lines:** A person subject to the requirements of this Rule shall satisfy one of the following conditions:
- 301.1 Low-Solvent Coating or Adhesive - A person using low-solvent coatings or adhesives to comply with this Rule shall use a coating or adhesive with a VOC content of less than 265 grams per liter of coating applied (2.2 pounds VOC per gallon), excluding water.
- 301.2 Approved Emission Control System - A person using an approved emission control system as defined in this Rule shall collect and reduce VOC emissions to less than 120 grams per liter of coating applied (1.0 pounds VOC per gallon), excluding water.
(Amended June 18, 1986; June 21, 1989)
- 8-12-302 Storage and Mixing Operations:** A person shall not allow any liquid leaks from containers storing organic solvents or from tanks for mixing coatings to be used on any paper, fabric or film coating line. All such containers and tanks shall be covered at all times except when material is being added or removed, when the tank or container is being cleaned, or when the container is empty.
- 8-12-303 Deleted September 20, 1989**
- 8-12-304 Compliance Statement Requirement:** The manufacturer of all coatings and adhesives which are sold for use in paper, fabric and film coating within the District shall include a designation of VOC (as defined in Section 8-12-209) expressed in grams per liter or pounds per gallon on data sheets. (Adopted June 21, 1989)

- 8-12-305 Surface Preparation and Cleanup Solvent:** The requirements of this Section shall apply to any person using cleanup solvent:
- 305.1 A person shall not use open containers for the storage or disposal of cloth or paper impregnated with organic compounds that is used for surface preparation, cleanup or coating removal.
 - 305.2 A person shall not store spent or fresh organic compounds to be used for surface preparation, cleanup or coating removal in open containers.
- (Adopted June 21, 1989)

8-12-500 MONITORING AND RECORDS

- 8-12-501 Coating Records:** Any person subject to Section 8-12-301:
- 501.1 Maintain a current list of coatings or adhesives in use which provides all of the data necessary to evaluate compliance.
 - 501.2 Record on a daily basis the type and amount of each coating or adhesive used.
 - 501.3 Record on a daily basis approved emission control key system operating parameters, as defined in Section 8-12-210, when air pollution abatement equipment is used to comply with the requirements of Section 301.2.
 - 501.4 Records shall be retained and available for inspection by the APCO for the previous 24-month period.
- (Adopted June 18, 1986; Amended June 21, 1989; June 15, 1994)

8-12-502 Deleted September 20, 1989

8-12-600 MANUAL OF PROCEDURES

- 8-12-601 Analysis of Samples:** Samples of volatile organic compounds as specified in subsection 8-12-301.1 shall be analyzed as prescribed in the Manual of Procedures, Volume III, Methods 21 or 22. (Adopted March 17, 1982, Amended June 18, 1986)

- 8-12-602 Determination of Emissions:** Emissions of volatile organic compounds as specified in subsections 8-12-110.1, 301.2 or 303.7 shall be measured as prescribed any of the following methods: 1) BAAQMD Manual of Procedures, Volume IV, ST-7, 2) EPA Method 25 or 25A. When either EPA Method 25 or 25A is used, control device equivalency shall be determined as prescribed in 55 FR 26865 (June 29, 1990). A source shall be considered in violation if the VOC emissions measured by any of the referenced test methods exceed the standards of this rule.
- (Adopted March 17, 1982; Amended June 18, 1986; June 15, 1994)