

**REGULATION 8
ORGANIC COMPOUNDS
RULE 23
COATING OF FLAT WOOD PANELING
AND WOOD FLAT STOCK**

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REGULATION 8
ORGANIC COMPOUNDS
RULE 23
COATING OF FLAT WOOD PANELING
AND WOOD FLAT STOCK

(Adopted April 2, 1980)

8-23-100 GENERAL

8-23-101 Description: The purpose of this Rule is to limit the emission of volatile organic compounds (VOC) from the application of coatings and adhesives to flatwood panels and wood flat stock including but not limited to the following:

- 101.1 Printed interior panels made of hardwood plywood and thin particleboard
- 101.2 Natural finish hardwood plywood
- 101.3 Hardwood paneling
- 101.4 Baseboard
- 101.5 Wood flat stock
- 101.6 Veneers, doors, door skins, and wood flat product skins
- 101.7 Tileboard and wallboard
- 101.8 Exterior siding

Any coating 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 March 20, 1985; June 21, 1989)

8-23-102 Deleted October 6, 1993

8-23-110 Exemption, Furniture and Cabinet Components This Rule shall not apply to the surface coating of flat wood stock intended to be used as a furniture or cabinet component. Such coating is subject to Regulation 8, Rule 32.

(Amended June 21, 1989)

8-23-111 Exemption, Architectural Coatings The provisions of this Rule shall not apply to the application of coatings to stationary structures and their appurtenances. Such coating is subject to Regulation 8, Rule 3, Architectural Coatings.

(Adopted June 21, 1989)

8-23-200 DEFINITIONS

8-23-201 Deleted June 21, 1989

8-23-202 Deleted June 21, 1989

8-23-203 Hardboard: A panel manufactured primarily from inter-felted ligno-cellulosic fibers which are consolidated under heat and pressure in a hot press.

8-23-204 Hardwood Plywood: Plywood whose surface layer is a veneer of hardwood.

8-23-205 Natural Finish Hardwood Plywood Panels: Panels whose original grain pattern is enhanced by essentially transparent finishes frequently supplemented by fillers and toners.

8-23-206 Printed Interior Panels: Panels whose grain or natural surface is obscured by fillers and basecoats upon which a simulated grain or decorative pattern is printed.

8-23-207 Thin Particleboard: A manufactured board 1/4 inch or less in thickness made of individual wood particles which have been coated with a binder and formed into flat sheets by pressure.

8-23-208 Tileboard: Paneling that has a colored waterproof surface coating.

8-23-209 Adhesive: Any substance that is applied for the primary purpose of bonding surfaces together. (Adopted March 20, 1985; Amended June 21, 1989)

8-23-210 Deleted June 21, 1989

8-23-211 Coating: Any coating applied on any wood flat stock including but not limited to water repellent preservative, semitransparent stains, opaque stains, filler, or clear top coat.

(Adopted March 20, 1985)

- 8-23-212 Deleted June 21, 1989**
- 8-23-213 Ink:** Any fluid or viscous composition used in printing, impressing or transferring an image onto a panel. (Adopted March 20, 1985)
- 8-23-214 Deleted June 21, 1989**
- 8-23-215 Deleted June 21, 1989**
- 8-23-216 Deleted June 21, 1989**
- 8-23-217 Deleted June 21, 1989**
- 8-23-218 Panel:** A flat piece of wood or wood product, usually rectangular and used inside homes and mobile homes for wall decorations. (Adopted March 20, 1985)
- 8-23-219 Deleted June 21, 1989**
- 8-23-220 Deleted June 21, 1989**
- 8-23-221 Wood Flat Stock:** Panels containing wood including but not limited to redwood stocks, plywood panels, particle boards, composition hardboards, and any other panels containing solid wood or wood product. (Adopted March 20, 1985)
- 8-23-222 Volatile Organic Compound:** 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.
- 222.1 For purposes of calculating VOC content of a coating, any water or the following non-precursor organic compounds:
- 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)
- shall not be considered to be part of the coating.
(Adopted June 21, 1989; Amended December 20, 1995)
- 8-23-223 Non-Heat-Set Ink:** An ink which dries by oxidation and absorption into the substrate without the use of heat from dryers or ovens. (Adopted June 21, 1989)
- 8-23-224 Key System Operating Parameter:** An air pollution abatement equipment 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 8-23-301. (Adopted June 15, 1994)

8-230-300 STANDARDS

- 8-23-301 Emission Limits:** A person shall not apply to any wood flat stock or wood panel any coating in excess of the following limits, (expressed as grams of VOC per liter of coating used, excluding water) unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with an abatement device efficiency of at least 90% and meets the requirements of Regulation 2, Rule 1:
- | | | |
|-------------------------|-----|---------------|
| Wood Flat Stock Coating | 250 | (2.1 lbs/gal) |
| Adhesive | 250 | (2.1 lbs/gal) |
| Inks | 250 | (2.1 lbs/gal) |
- (Amended March 20, 1985; June 21, 1989; October 6, 1993)
- 8-23-302 Deleted June 21, 1989**
- 8-23-303 Deleted June 21, 1989**
- 8-23-304 Deleted June 21, 1989**
- 8-23-305 Deleted October 6, 1993**

8-23-400 ADMINISTRATIVE REQUIREMENTS

8-23-401 Coating List: Any person subject to Section 8-23-301 shall maintain a current list of coatings and adhesives in use which provides all of the data necessary to evaluate compliance. (Amended March 20, 1985; June 21, 1989)

8-23-402 Deleted October 6, 1993

8-23-500 MONITORING AND RECORDS

8-23-501 Records: Any person subject to this Rule shall maintain records on a daily basis that provide the following information, as applicable:

- a. coating and mix ratio of components in the coating or adhesive used
- b. quantity of each coating or adhesive applied
- c. description of substrate coated
- d. oven or cure temperature
- e. type and amount of solvent used for cleanup and surface preparation

(Adopted June 21, 1989)

8-23-502 Air Pollution Abatement Equipment, Recordkeeping Requirements: Any person operating air pollution abatement equipment to comply with Section 8-23-301, in addition to Section 8-23-501, shall record key system operating parameters on a daily basis. (Adopted June 15, 1994)

8-23-600 MANUAL OF PROCEDURES

8-23-601 Analysis of Samples: Samples of volatile organic compounds as defined in this Rule shall be analyzed as prescribed in the Manual of Procedures, Volume III, Method 21 or 22.. (Amended June 21, 1989; June 15, 1994)

8-23-602 Determination of Emissions: Emissions of precursor organic compounds as specified in Sections 8-23-301 shall be measured as prescribed by 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 20, 1985; Amended June 21, 1989; June 15, 1994)