

Industrial Surface Coating

Surface coating operations involve the application of a thin layer of coating (paint, lacquer, enamel, varnish, ink, etc.) to an object for decorative or protective purposes. The coating can be applied by brushing, rolling, spraying, flow coating or dipping the object. Surface coatings include coatings that are applied during the manufacture of a wide variety of products such as furniture, cans, metal coils, automobiles, other transportation equipment, machinery, appliances, flat wood, wire, and other miscellaneous products.

VOC emissions result as the thinner or solvent used to facilitate the application of the coatings evaporates. This category does not include architectural surface coatings, traffic markings, automobile refinishing or aerosols. Since the use of surface coatings by manufacturing industries is so widespread, it is extremely difficult to identify all of the industries in which coating materials are consumed.

This area source contains several categories as listed below. The net VOC emissions are calculated by subtracting VOC contributed from Ohio's point sources.

CATEGORY	SCC	NAICS	VOC EF	
Factory Finished Wood	2401015000	321	131	Lb/employee/year
Furniture and Fixtures	2401020000	337	944	Lb/employee/year
Metal Containers	2401040000	332431	6029	Lb/employee/year
Sheet, Strip and Coil	2401045000	332812	2877	Lb/employee/year
Machinery & Equipment	2401055000	333	77	Lb/employee/year
Large Appliances	2401060000	3352	463	Lb/employee/year
Electrical Insulation	2401065000	334	290	Lb/employee/year
Automobiles (new)	2401070000	3361	794	Lb/employee/year
Other Transportation Equipment	2401075000	336	35	Lb/employee/year
Marine Coatings	2401080000	3366	308	Lb/employee/year
Other Product Coatings	2401090000	229	0.6	Lb/person/year
High Performance Coatings	2401100000	811	0.8	Lb/person/year
Other Special Purpose	2401200000	NOT DONE	0.8	Lb/person/year

References:

[United States Census Bureau](#). CountyBusiness Patterns.

U.S. Environmental Protection Agency, STAPPA-ALAPCO-EPA Emission Inventory Improvement Program (EIIP), Volume III - Area Sources Preferred and Alternative Methods, Chapter 8. September 1997.

