

Architectural Surface Coatings

Architectural Surface Coatings is typically considered to be a non-industrial category which homeowners and painting contractors use for coating the interior and exterior of houses, buildings, and other surfaces. This category includes emissions from the application of paint, primer, or varnish to surfaces, the use of solvents as thinners as well as for cleanup. Both types of paint are used to categorize this area source: water-based and solvent-based paint.

VOC Emission Factors and Paint Usage Factors:

Paint Type	VOC Emission Factor (lb/gal)	Usage Factors (gal/person)
Solvent-Based Paint (2401002000)	3.87	0.4158
Water-Based Paint (2401003000)	0.74	2.0444

The per capita usage factors are estimated by dividing the total volume of each type of coating shipped by the 2002 U.S. population 288,368,698.

References:

Documentation For the 2002 Non-Point Source National Emission Inventory For CAPS and HAPS. U.S. Environmental Protection Agency. Emissions Factor and Inventory Group. E.H Pechan and Associates, Inc. January 2004. United States Census Bureau. Population Division.