

## TCEQ Coatings Sources

### Current Best Available Control Technology (BACT) Guidelines

#### Painting and Surface Coating

**This information is maintained by the Combustion/Coatings Section and is subject to change. Last update 08/2015.**

Year	Source Type	Pollutant	Minimum Acceptable Control	Control Efficiency or Details
2015	Enclosed Painting	VOC and Exempt Solvent	Use of Chapter 115 (30 TAC §115.453) compliant coatings unless using an alternate control device.	Use of a control device to meet the VOC content limits in Chapter 115 (30 TAC §115.453) does not apply to industries noted in 30 TAC §115.453(a)(2)&(3).
			Use of high transfer efficiency application equipment.	Airless, air assisted airless, electrostatic, high volume low-pressure (HVLP) spray equipment. Brushes, rollers, dipping, and flow coating.
			Collecting and venting VOC and exempt solvent to an add-on control device may be required if the combined VOC and exempt solvent emissions in total are greater than 60 tpy (site-wide) from manned operations and greater than 30 tpy (sitewide) for automated painting operations.	Efficiency of thermal control devices is 98% or greater or a VOC and exempt solvent exhaust concentration of less than 20 ppmvd.
			For all sources: Capture of application equipment cleanup solvents and limit solvent usage through a site-specific solvent management plan.	

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Year	Source Type	Pollutant	Minimum Acceptable Control	Control Efficiency or Details
2015	Enclosed Painting	VOC and Exempt Solvent	Good housekeeping for spills	
			Storage of coatings, solvents, and waste materials in closed containers	
			Meet the requirements of all applicable standards under 40 CFR 60	
		PM	For all Sources: Dry or water wash filters	Control efficiency of 99% or greater.
			Use of high transfer efficiency application equipment	Airless, air assisted airless, electrostatic, high volume low-pressure (HVLP) spray equipment. Brushes, rollers, dipping, and flow coating.
	HAPs	For all major and area sources of HAPs compliance with the applicable emissions standards in 40 CFR 63.		
	Outdoor Painting	VOC, Exempt Solvent and PM	Use of Chapter 115 (30 TAC §115.453) compliant coatings.	

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### Current Best Available Control Technology (BACT) Guidelines

Year	Source Type	Pollutant	Minimum Acceptable Control	Control Efficiency or Details
2015	Outdoor Painting	VOC, Exempt Solvent and PM	Use of high transfer efficiency application equipment.	Airless, air assisted airless, electrostatic, high volume low-pressure (HVLP) spray equipment. Brushes, rollers, dipping, and flow coating.
			Use of shroud is highly recommended to meet state/federal PM standards and health effects review.	Shroud material shade factor should be 85% or greater
			Installation of an enclosure equipped with a ventilation and particulate matter control system may be required if the operation can reasonably be conducted within a structure of 100,000 cubic feet (ft <sup>3</sup> ) or less.	See Enclosed Painting for Minimum Acceptable Controls.
			Capture of application equipment cleanup solvents and limit solvent usage through a site-specific solvent management plan.	
			Good housekeeping for spills.	
			Storage of coatings, solvents, and waste materials in closed containers.	
		HAPs	For all major and area sources of HAPs compliance with the applicable emissions standards in 40 CFR 63.	