

TCEQ Coatings Sources

Current Best Available Control Technology (BACT) Guidelines

Fiber Reinforced Plastic

This information is maintained by the Combustion/Coatings Section and is subject to change. Last update 05/2015.

Year	Source Type	Pollutant	Minimum Acceptable Control	Control Efficiency or Details
2015	Cultured Marble	VOC and Exempt Solvent	Use of gelcoats that meet the monomer limitations in 40 CFR Part 63, Subparts WWWW or VVVV	
			Use proper ventilation design to minimize styrene odor.	100% capture of monomer emissions to minimize fugitive emissions.
			Use high transfer efficiency spray application equipment.	Airless, high volume low pressure spray equipment, fluid impingement technology, non-atomized application equipment, brushes or rollers. Implementation of CFA controlled spray techniques, including operator training, spray gun calibration and the use of overspray containment flanges on molds is optional.
			Use aqueous or low vapor pressure cleaning solvents and/or limit acetone usage to minimize emissions through a site specific solvent management plan.	Low vapor pressure acetone replacement compounds should have a vapor pressure less than 1.0 mmHg. Aqueous cleaners should have a VOC content less than 5.0 percent by weight.

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2015	Cultured Marble	VOC and Exempt Solvent	Keep containers of virgin and waste gelcoat, resin and solvents covered when not in use.	
			Collecting and venting VOC and exempt solvent to an add-on control device may be required for operations with VOC and exempt solvent emissions greater than 60 tpy.	Efficiency of thermal control devices is 98% or greater or a VOC and exempt solvent exhaust concentration of less than 20 ppmvd.
		PM	Use dry filters in the grinding booths or rooms.	Control efficiency of 98% or greater.
		VOC and Exempt Solvent	White fixed roof storage tanks. Submerged fill pipes required for tanks over 1000 gallon capacity.	Submerged fill pipe must meet the requirements specified in 30 TAC §101.1(96)
Vapor balanced loading or storage tank pressure vent valve vented into the spray booth stacks may be required to achieve acceptable off property concentrations.				

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2015	Cultured Marble	HAPs	For all major sources of HAPs compliance with the applicable emissions standards in 40 CFR 63, Subpart WWWW.	
	Fiber Reinforced Plastics (FRP)	VOC and Exempt Solvent	Use of gelcoats that meet the monomer limitations in 40 CFR Part 63, Subparts WWWW or VVVV.	
			Use semi-enclosed/enclosed molding process.	
			Use high transfer efficiency spray application equipment.	Airless, high volume low pressure spray equipment, fluid impingement technology, non-atomized application equipment, brushes or rollers. Implementation of CFA controlled spray techniques, including operator training, spray gun calibration and the use of overspray containment flanges on molds is optional.
	Use proper ventilation design to minimize styrene odor.	100% capture of monomer emissions to minimize fugitive emissions.		

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			Keep containers of virgin and waste gelcoat, resin and solvents covered when not in use.	
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		PM	Use dry filters in the grinding booths or rooms.	Control efficiency of 98% or greater.
		HAPs	For all major sources of HAPs compliance with the applicable emissions standards in 40 CFR 63, Subpart WWWW.	
			For all major sources of HAPs compliance with the applicable emissions standards in 40 CFR 63, Subpart VVVV.	