

**TCEQ COATINGS SOURCES
CURRENT BEST AVAILABLE CONTROL TECHNOLOGY (BACT) GUIDELINES**

FIBER REINFORCED PLASTICS

This information is maintained by the Combustion/Coatings Section and is subject to change. Last update 4/2010

Year	Source Type	Pollutant	Minimum Acceptable Control	Control Efficiency or Details	
2010	Cultured Marble	VOC and Exempt Solvent	Use low VOC resin and gelcoatand/or resins and gelcoats that meet the monomer limitations in 40 CFR Part 63, Subparts WWWW or VVVV .	100% capture of monomer emissions to minimize fugitive emissions.	
			Use proper ventilation design to minimize styrene odor.		
			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.
		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 based on ASHRAE 52.1. MERV ratings based on ASHRAE 52.2 will be evaluated on a case-by-case basis..	
	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.		
	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 low VOC resin and gelcoatand/or resins and gelcoats that meet the monomer limitations in 40 CFR Part 63, Subparts WWWW or VVVV .	100% capture of monomer emissions to minimize fugitive emissions.	
			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.		
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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PM		Use dry filters in the grinding booths or rooms.	Control efficiency of 98% or greater based on ASHRAE 52.1. MERV ratings based on ASHRAE 52.2 will be evaluated on a case-by-case basis..		
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.				