

US EPA ARCHIVE DOCUMENT

## Best Practices Checklist Paint Mixing

<i>KEEP ALL CONTAINERS SHUT</i>				
<ul style="list-style-type: none"> <li>• Reduces evaporative losses of coatings and solvents</li> <li>• Reduces painter inhalation exposures</li> <li>• Decreases the fire hazard</li> <li>• Reduces shop vapor emissions</li> </ul>				
Number of open containers observed: <input type="checkbox"/> None <input type="checkbox"/> 1 to 3 <input type="checkbox"/> 4 to 7 <input type="checkbox"/> 8 or more Organic vapor analyzer reading:				
OK	Needs Work	N/A	Element	Implementation Notes
			Keep all containers shut when not in use	
			Use gasket-sealed, spring-loaded covers (or equivalent) on solvent storage and waste drums <sup>1</sup>	

<sup>1</sup>Required element of the City of Philadelphia Department of Public Health, Air Management Regulation V.

Shop:  
Visit Date:




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THE DESIGN FOR THE ENVIRONMENT AUTO REFINISH PROJECT'S GOAL IS TO WORK WITH AUTO REFINISHERS TO IDENTIFY AND ADOPT SAFER, CLEANER, MORE EFFICIENT PRACTICES AND TECHNOLOGIES.

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## Best Practices Checklist Paint Mixing (continued)

<i>INSTALL ADEQUATE VENTILATION</i>				
<ul style="list-style-type: none"> <li>• Reduces painter inhalation exposures to coating and solvent vapors (e.g., isocyanates)</li> <li>• Decreases fire hazard</li> </ul>				
Ventilation type(s): <input type="checkbox"/> Prefab mixing room <input type="checkbox"/> Local exhaust <input type="checkbox"/> General/mechanical <input type="checkbox"/> None Comments: _____				
OK	Needs Work	N/A	Element	Implementation Notes
			Employ an adequate amount of ventilation in the paint mixing room	
			Install local exhaust vents near sources of emissions (e.g., mixing bench, gun cleaner)	
			Locate sources of emissions in the same general area to maximize ventilation effectiveness	
			Design system to draw vapors away from workers	
			Ensure electrical equipment (e.g., switches, ventilation fans, lights, telephones) is approved for Class I, Division 1 (explosive) environments	

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**Best Practices Checklist  
Paint Mixing (continued)**

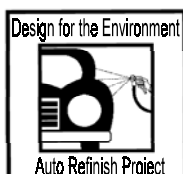
*USE COMPUTER MIXING SYSTEM AND REUSE LEFT OVER COATINGS WHEN POSSIBLE*

- Computer mixing systems allow for greater flexibility in determining amount of coating needed (allowing for smaller amounts to be mixed at a time)
- Computer mixing systems provide an easy means to label excess coating for later use
- Minimizes coating costs
- Minimizes coating wastes and waste disposal costs

Mixing system:       Computer                       Microfiche  
 Other: \_\_\_\_\_

OK	Needs Work	N/A	Element	Implementation Notes
			Use a computerized mixing system	
			Mix only the amount of coating needed for the job	
			Store and reuse remaining primers and base coats for later use	

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## Best Practices Checklist Paint Mixing (continued)

<i>USE PROPER RESPIRATORY PROTECTION<sup>1</sup></i>				
<ul style="list-style-type: none"> <li>• Reduces employee inhalation exposures to solvent vapors</li> </ul>				
Type of respirator used: <input type="checkbox"/> Full facepiece APR <input type="checkbox"/> ½ mask APR <input type="checkbox"/> None <input type="checkbox"/> Other: _____				
Type of cartridge used: <input type="checkbox"/> Organic vapor w/ prefilter <input type="checkbox"/> Other: _____				
OK	Needs Work	N/A	Element	Implementation Notes
			Consistently use half-mask APR w/organic vapor cartridge or better when working in the paint mixing room (See guidance on respiratory protection programs and a list of respirator manufacturers and suppliers in the Health and Safety section of your kit.)	

<sup>1</sup>Required element of OSHA where contaminant levels exceed the Permissible Exposure Limit (PEL).

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