

FORM MC100
METAL PARTS COATING OPERATIONS

Business License Name of organization that is to receive permit:

Facility began operation: _____ Month _____ Day _____ Year

Anticipated start date: _____ Estimated completion date: _____

My painting operation is Always in a booth Always outside a booth A combination

If a paint spray booth is used, fill in the following:

Booth Manufacturer:

Model Number: _____

Serial Number: _____

Booth outside dimensions: _____ wide x _____ high x _____ deep

Paint spray booth exhaust control: _____ waterwash Horsepower of pump _____
_____ dry filters

Number of exhaust fans: _____ Horsepower of each fan: _____

Is a pressure differential gauge installed on booth? Yes No MFG recommended range _____

Type of coating application method:

_____ electrostatic _____ HVLP _____ LVLV _____ Brush or Roll Coating _____ Dip or Flow Coat

_____ other (describe and provide proof that it has received approval from the Air Pollution Control Officer, as per SMAQMD Rule 451, Section 304.8)

This information will be used to determine the maximum emission levels to be imposed in the permit conditions:

Operating schedule: _____ hours/day _____ days/week _____ weeks/year

Disposition of sprayed items: _____ air dried _____ forced dried

If forced dried, burner fuel type:

_____ electric

_____ natural gas Maximum rating: _____ BTU/hr input Manufacturer's Data: _____ ppm NOx @ 3% O₂

_____ propane Maximum rating: _____ BTU/hr input Manufacturer's Data: _____ ppm NOx @ 3% O₂

Coating and Solvent usage: **COMPLETE NEXT PAGE**

Print name of business person to contact regarding information on this form:

Business contact phone number: _____

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This information will be used to determine the maximum emission levels to be imposed in the permit conditions.

COATING USAGE

List total maximum expected usage by coating type. (See attached definitions of Miscellaneous Metal Parts Coating Types)

COATING TYPE	PRODUCT CODE AND MANUFACTURER	MAXIMUM EXPECTED USAGE (A) Coatings "As Applied" (B) (gallons/day)
Aluminum Coating for Window Frames and Door Frames		
Camouflage		
Electrical Insulating		
Extreme High Gloss		
Extreme Performance		
Heat Resistant		
Maskant		
Non-Skid		
Pretreatment Wash Primer		
Silicone Release Coating		
Solar Absorbent		
Solid Film Lubricants		
All Other Coatings		

- (A) The maximum expected usage that is submitted will be the maximum usage limit on the Permit to Operate.
 (B) "As Applied" includes all components of the product mix: base coating, catalyst, reducer, hardener, retarder, thinner, etc..

This information will be used to determine the maximum emission levels to be imposed in the permit conditions.

SOLVENT USAGE

List solvents and solvent containing products, and total maximum expected usage.

PRODUCT NAME AND MANUFACTURER	TYPE OF USE (A)	MAXIMUM EXPECTED USAGE (B) (gallons/day)

- (A) Identify each product as equipment cleanup, surface preparation, or other, (specify).
 (B) The maximum expected usage that is submitted will be the maximum usage limit on the Permit to Operate.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

MISCELLANEOUS METAL PARTS COATING/MATERIAL TYPE DEFINITIONS

As stated in Sacramento Metropolitan Air Quality Management District Rule 451 – SURFACE COATING OF MISCELLANEOUS METAL PARTS AND PRODUCTS

COATING/MATERIAL TYPE	DEFINITION
Aluminum Coating for Window Frames and Door Frames	A coating which is applied in a shop environment and is used to protect prefabricated aluminum window frames, window walls, and door frames and which is required to meet the specifications of Architectural Aluminum Manufacturers Association AAMA 605.2-1980.
Camouflage	A coating applied as a topcoat on equipment to conceal such equipment from detection.
Electrical Insulating	A non-convertible-type coating applied to electric motors, components of electric motors, or power transformers to provide electrical, mechanical, and environmental protection or resistance.
Extreme High Gloss	A coating which, when tested by American Society for Testing Materials test method D-523 adopted in 2008, shows at least 75% reflectance on a 60° meter.
Extreme Performance	A coating that is used on a metal surface where the coated surface, in its intended use, is acutely or chronically exposed to salt water, corrosives, caustics, acids, oxidizing agents, wind or ocean driven debris or electromagnetic pulse.
Heat Resistant	A coating used on a metal surface where the coated surface must withstand a temperature of at least 400 °F during normal use.
Maskant	A thin film coating applied through a template to coat a small portion of the substrate.
Non-Skid	Any coating which has, as its primary purpose, the creation of traction to prevent slippage. (This definition will sunset on April 28, 2011).
Pretreatment Wash Primer	A coating which contains at least ½ percent acid by weight, as determined by the method specified in Section 502.2, and no more than 12 percent solids by weight, as determined by the method specified in Section 502.7, and is applied directly to metal surfaces to provide surface etching and corrosion resistance or adhesion of subsequent coatings. A Pretreatment Wash Primer is not a Surface Preparation Material as defined below.
Silicone Release Coating	A coating which contains silicone resin and is intended to prevent a substance from sticking to metal surfaces such as baking pans.
Solar Absorbent	A coating which has, as its primary purpose, the absorption of solar radiation.
Surface Preparation Material	A VOC containing material applied to the surface of any miscellaneous metal part or product prior to the application of coatings to clean the substrate or to promote adhesion of subsequent coatings.

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