



City of Bellevue Fire Department  
 P.O. Box 90012  
 Bellevue, WA 98009 (425) 452-6872

## Operational Permit Application Spray Finishing and Dipping

*Work or activity requiring a permit shall not commence until such work or activity has been inspected and authorized with a valid permit. Violation of this condition may result in additional permit or inspection fees.*

**GENERAL INFORMATION (to be completed by the permit applicant (PLEASE PRINT))**

Business Name:		
Address:		
City:	State:	Zip:
Contact Person:	Phone No.	
Email Address:		

**LOCATION OF PERMITTED ACTIVITY (if different than above (PLEASE PRINT))**

Business Name:		
Address:		
City:	State:	Zip:

**PERMIT BILLING (if different than above (PLEASE PRINT)) (Permits will be billed by the City of Bellevue)**

Business Name:		
Address:		
City:	State:	Zip:
Contact Person:	Phone No.	
Email Address:		

[Click here](#) for the current permit fee. Note: This fee will change every January 1<sup>st</sup> based on the current Seattle Consumer Price Index. Governmental or non-profit organizations are exempt from permit fees. If non-profit, please provide IRS documentation for non-profit status.

- Temporary use permits are invoiced within 30 days of permit issuance.
- Until revoked permits are invoiced January each year.
- All permits are subject to a late fee if not paid within 30 days of receipt.

\_\_\_\_\_  
 Applicant Signature

\_\_\_\_\_  
 Date

**FIRE PREVENTION OFFICE USE ONLY:**

Specific Permit Conditions:	
Application Disposition:	<input type="checkbox"/> Approved <input type="checkbox"/> Denied
Reason for Denial:	
Reviewed / Inspected By:	Date:



## **PERMIT CONDITIONS**

### **Spray Finishing and Dipping**

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**The following conditions shall be adhered to at all times for the permit to be valid.**

1. An operational permit is required to conduct a spraying or dipping operation utilizing flammable or combustible liquids or the application of combustible powders.
2. A separate operational permit is required for the storage, handling, or use of Class I liquids in excess of 5 gallons in a building or in excess of 10 gallons outside of a building; to store, handle, or use Class II or Class III-A liquids in excess of 25 gallons in a building or in excess of 60 gallons outside a building.
3. Spraying or dipping shall apply to locations or areas where any of the following activities are conducted:
  - The application of flammable or combustible paint, varnish, lacquer, stain, fiberglass resins or other flammable or combustible liquid applied by means of spray apparatus in continuous or intermittent processes.
  - Dip-tank operations in which articles or materials are passed through contents of tanks, vats or containers of flammable or combustible liquids, including coating, finishing, treatment and similar processes.
  - The application of combustible powders when applied by powder spray guns, electrostatic powder spray guns, fluidized beds or electrostatic fluidized beds.
  - Floor surfacing or finishing operations in areas exceeding 350 square feet. A separate operational permit is required for such operations.
  - The application of dual-component coatings or Class I or II liquids when applied by brush or roller in quantities exceeding one gallon.
  - Spraying or dipping operations.
4. Electrical wiring and equipment in flammable vapor areas shall be of an explosion-proof type approved for that use in such hazardous locations. Such areas shall be considered to be Class I, Division I or Class II, Division I hazardous locations in accordance with the National Electrical Code.
5. Electrical wiring and equipment located outside of, but within 5 feet horizontally, and 3 feet vertically of openings in a spray booth or a spray room, shall be approved for Class I, Division 2 or Class II, Division 2 hazardous locations.
6. Open flames and spark-producing devices shall not be located in flammable vapor areas and shall not be located within 20 feet of such areas unless separated by a permanent partition.
7. Heated surfaces having temperatures sufficient to ignite vapors shall not be located in flammable vapor areas.

8. Metal parts of spray booths, exhaust ducts and piping systems conveying Class I or II liquids shall be electrically grounded in accordance with the National Electrical Code.
9. Smoking shall be prohibited in flammable vapor areas and hazardous materials storage rooms associated with flammable finish processes. "No-Smoking" signs shall be conspicuously posted in such areas.
10. Where a flammable mixture is transferred from one portable container to another, a bond shall be provided between the two containers. At least one container shall be grounded.
11. Class I liquids used as solvents shall be used in spray gun and equipment cleaning machines that have been listed and approved for such purposes or shall be used in spray booths or spray rooms.
12. Solvents used outside of spray booths, spray rooms or listed and approved spray gun and equipment cleaning machines shall be restricted to Class II and III liquids.
13. In flammable vapor areas, exhaust fan blades and exhaust ducts shall be kept free from the accumulation of deposits of combustible residues. Where excessive residue accumulates in such areas, spraying operations shall be discontinued until conditions are corrected.
14. Approved metal waste cans equipped with self-closing lids shall be provided wherever rags or waste are impregnated with finishing material. Such rags and waste shall be deposited therein immediately after being utilized. The contents of waste cans shall be properly disposed of at least once daily and at the end of each shift.
15. Spray-finishing operations conducted in buildings used for Group A, E, I or R occupancies shall be located in a spray room protected with an approved automatic sprinkler system and separated vertically and horizontally from other areas in accordance with the International Building Code. In other occupancies, spray-finishing operations shall be conducted in a spray room, spray booth or spraying space approved for such use.
16. Spray booths shall be installed so that all parts of the booth are readily accessible for cleaning. A clear space of not less than 3 feet shall be maintained on all sides of the spray booth. The clear space shall be kept free of storage or combustible construction.
17. Spray booths and spray rooms shall be protected by an approved automatic fire-extinguishing system complying with the International Fire Code. Protection shall also extend to exhaust plenums, exhaust ducts and both sides of dry filters when such filters are used.
18. Portable fire extinguishers having a minimum 4-A rating shall be provided for spraying areas for extra-high hazard occupancy. One extinguisher for every 1,000 square feet with a maximum travel distance not to exceed 30 feet.
19. Automatic sprinklers installed in flammable vapor areas shall be protected from the accumulation of residue from spraying operations in an approved manner. Bags used as a protective covering shall be 0.003-inch-thick polyethylene or cellophane or shall be thin paper. Automatic sprinklers contaminated with overspray particles shall be replaced with new automatic sprinklers.

20. Visible gauges, audible alarms or pressure-activated devices shall be installed to indicate or ensure the required air velocity is maintained.
21. Discarded filter pads shall be immediately removed to a safe, detached location or placed in a noncombustible container with a tight-fitting lid and disposed of properly.
22. The aggregate surface area to be sprayed in limited spraying area spaces shall not exceed 9 square feet.
23. Spraying operations shall not be of a continuous nature in limited spraying spaces.
24. Positive mechanical ventilation providing a minimum of six complete air changes per hour shall be installed in limited spraying spaces. Such systems shall meet the requirements of the International Fire Code for handling flammable vapor areas.
25. Electrical wiring within 10 feet of the floor and 20 feet horizontally of the limited spraying space shall be designed for Class I, Division 2 locations in accordance with the National Electrical Code.
26. Dip-tank operations conducted in buildings used for Group A, I or R occupancies shall be located in a room designed for that purpose, equipped with an approved automatic sprinkler system and separated vertically and horizontally from other areas in accordance with the International Building Code.
27. Dip-tank covers shall be capable of manual operation and shall be automatic closing by approved automatic closing devices designed to operate in the event of a fire.
28. An approved automatic fire-extinguishing system or dip-tank cover capable of automatic closing shall be provided for the following dip tanks:
  - Dip tanks less than 150 gallons in capacity or 10 square feet in liquid surface area.
  - Dip tanks containing a liquid with a flash point below 110° F used in such manner the liquid temperature could equal or be greater than its flash point from artificial or natural causes, and having both a capacity of more than 10 gallons and a liquid surface area of more than 4 square feet.
29. An approved automatic fire-extinguishing system shall be provided for dip tanks with a 150 gallon or more capacity or 10 square feet or larger in a liquid surface area.
30. Areas in the vicinity of dip tanks shall be provided with portable fire extinguishers with a minimum 4-A rating suitable for flammable and combustible liquid fires for extra-high hazard occupancy. One extinguisher for every 1,000 square feet with a maximum travel distance not to exceed 30 feet.
31. Flammable vapor areas shall be provided with mechanical ventilation adequate to prevent the dangerous accumulation of vapors.