



Roanoke Fire-EMS

Fire Marshal's Office
 713 Third Street SW
 Roanoke, VA 24016
 (540) 853-2795

www.roanokeva.gov/firemarshal

Fire Prevention Code Permit Application

2018 FAFN - Application of Flammable Finishes

Applicant Information				
Business Name:				
Physical Address:	Street	City	State	Zip
Mailing Address:	Street	City	State	Zip
Contact Name:				
E-mail Address:				
Primary Phone:		Alternate Phone:		
Location of Permitted Activity				
Business Name:				
Physical Address:	Street	City	State	Zip
Permit Billing Information				
Business Name: <small>(including d/b/a or t/a names)</small>				
Billing Address:	Street	City	State	Zip
Billing Contact:			Phone:	
E-mail Address:				
City of Roanoke Business License #:		Federal Tax ID:		

FIRE MARSHAL'S OFFICE USE ONLY		
Reviewed By:		Date:
Comments/Special Conditions:		
Permit Number:	Permit Fee:	

Application Checklist

Review of this permit application requires all of the following to be included:

- Completed Fire Prevention Code Permit Application
- Site Plan/Floor Plan Showing:
 1. Location of spraying areas
 2. Location of dipping areas
 3. All tanks with capacity and dimensions.
 4. Location of Storage for Paints and Finishes
 5. Location of ALL Fire Extinguishers
 6. Location of ALL Exits or Openings
 7. Indicate whether or not the building is equipped with a fire protection system
- List of Maximum expected quantities of each hazardous material
- SDS for each Hazardous Material
- Emergency Contact Information
- Safety Plan

Circumstances of Application/Description of Work

Permit General Conditions and Acknowledgements

The Applicant is required to review the following provisions of the Statewide Fire Prevention Code and its referenced standards. After reviewing each provision, the **Applicant must initial each item to acknowledge their review and agreement to comply with the requirement.** If the requirement is not applicable to the application, the Applicant is to write N/A in place of their initials.

All Facilities:

- Flammable vapor areas or drying operations that are subject to splashing or dripping of liquids shall be specifically approved for locations containing deposits of readily ignitable residue and explosive vapors.
- Electrical wiring and equipment located outside of, but within 3 feet horizontally and 3 feet vertically of, openings in a spray booth or a spray room shall be maintained in accordance with the applicable building code.
- Open flames and spark-producing devices shall not be located in flammable vapors area and shall not be located within 20 feet of such areas unless separated by a permanent partition.
- Electrical equipment in flammable vapor areas located such deposits of combustible residues could readily accumulate thereon shall be specifically approved for locations containing deposits of readily ignitable residue and explosive vapors in accordance with NFPA 70.
Exceptions:
 1. Wiring in rigid conduit.
 2. Boxes or fittings not containing taps, splices or terminal connections.
 3. Equipment allowed by Sections 2404 and 2407 and Chapter 30.
- Metal parts of spray booths, exhaust ducts, and piping systems conveying Class I or II liquids shall be electrically grounded. Metallic parts located in resin application areas, including exhaust ducts, ventilation fans, spray application equipment, work pieces, and piping, shall be electrically grounded.
- Smoking shall be prohibited in flammable vapor areas and hazardous materials storage rooms associated with flammable finish processes. “No Smoking” signs complying with Section 310 shall be conspicuously posted in such areas.

Spray Finishing:

- Portable fire extinguishers complying with Section 906 shall be provided for spraying areas in accordance with the requirements for an extra (high) hazard occupancy.
- 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 protective coverings shall be 0.003-inch-thick polyethylene or cellophane or shall be thin paper. Automatic sprinklers contaminated by overspray shall be replaced with new automatic sprinklers.

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- Where spray spaces, spray rooms or spray booths are illuminated through glass panels or other transparent materials, only fixed luminaires shall be utilized as a source of illumination.
- Mechanical ventilation of flammable vapor areas shall be maintained in accordance with the applicable building code.

Dipping Operations:

- Protection against the accumulation of vapors, self-ignition and excessively high temperatures shall be provided for dipping liquids that are heated directly or heated by the surfaces of the object being dipped.
- Areas in the vicinity of dip tanks shall be provided with portable fire extinguisher complying with Section 906 and suitable for flammable and combustible liquid fires as specified for extra (high) hazard occupancies.
- Dip tanks utilizing a conveyor system shall be arranged such that in the event of a fire, the conveyor system shall automatically cease motion and the required tank bottom drains shall open.
- Flow-coating operations shall comply with the requirements for dip tanks. The area of the sump and any areas on which paint flows shall be considered to be the area of a dip tank.

Powder Coating:

- Powder coating operations shall be conducted in enclosed powder coating rooms, enclosed powder coating facilities that are ventilated or ventilated spray booths and in accordance with the applicable building code.
- Portable fire extinguishers complying with Section 906 shall be provided for areas used for powder coating in accordance with the requirements for an extra-hazard occupancy.
- Powder coating areas shall be kept free from the accumulation of powder coating dust, including horizontal surfaces such as ledges, beams, pipes, hoods, booths and floors.
- Iron or spark-producing metals shall be prevented from being introduced into the powders being applied by magnetic separators, filter-type separators or by other approved means.
- Precautions shall be taken to minimize the possibility of ignition by static electrical sparks through static bonding and grounding where possible of powder transport, application, and recovery equipment.
- Exhaust ventilation shall be sufficient to maintain the atmosphere below one-half the minimum explosive concentration for the material being applied. Nondeposited, air-suspended powders shall be removed through exhaust ducts to the powder recovery system.

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Permit Certification

By my signature below, I hereby certify that I have read and examined this application and that all of the information contained therein is true and correct. Furthermore, I certify that the proposed operations will fully comply with the requirements contained in The Virginia Statewide Fire Prevention Code and any other related laws and /or Codes. I agree to indemnify, save harmless, and defend the City of Roanoke, its agents and employees, from all claims, damages, costs, expenses, and charges, including attorney's fees, which arise out of or by reason of these operations.

I acknowledge that if a permit is issued based on this application, it shall only be valid with in the building, facility, and/or location listed on this application for the specific date(s) and time(s) for which it is issued.

I acknowledge that approval of this application does not constitute permit issuance. Permit issuance does not occur until the completion of an on-site inspection by the Roanoke Fire Marshal's Office.

I acknowledge and understand that any violations of the Virginia Statewide Fire Prevention Code and/or the requirements of this permit may result in immediate permit suspension or revocation.

I agree to indemnify, save harmless, and defend the City of Roanoke, Virginia and its agents and employees from all claims, damages, costs, expenses, and charges, including attorney's fees, which arise out of or by reason of the activities associated with this permit.

Name:			
Signature:		Date:	

Fire Prevention Code Permit Application Instructions and Conditions
2018 FAFN - Application of Flammable Finishes

Permit Name:	2018 FAFN - Application of Flammable Finishes
Statewide Fire Prevention Code Section:	2401.3
Scope:	An operational permit is required for to conduct a spraying or dipping operation utilizing flammable or combustible liquids or the application of combustible powders regulated by Chapter 24.
Fee:	\$50.00
Duration:	Annual
Application Requirements:	<p>There are specific and specialized requirements described within this application. Please review the application for all requirements.</p> <p>After issuance of your initial permit(s), your permit(s) will be valid for one (1) year.</p>
Operational Requirements:	Permit holder agrees to abide by the Virginia Statewide Fire Prevention Code and any special stipulations noted on permit. Please review the application for all operational requirements.
Submittal Instructions:	Submittal must include a completed application and all attachments listed on page 2 of this application. This application will not be reviewed without all required attachments.