

Spray Polyurethane Foam (SPF) Insulation

Important Safety Information (Interior Applications)



Site Preparation and Planning

- Conduct pre-job meeting to properly schedule SPF work
- Request that everyone but SPF workers vacate the building during SPF application work
- If others cannot vacate the building, isolate and ventilate the SPF application area. Refer to EPA's DfE document: [Ventilation Guidance for SPF Application](#) for more information
 - Isolate the SPF work area using plastic sheeting or tarps
 - Ventilate the SPF work area using exhaust fans to create air flow
 - Direct exhaust air to a safe location outside the building
- Shut down and temporarily seal off HVAC system components
- Ensure employees complete CPI SPF Chemical Health & Safety Training (available through CPI and SPFA websites)
- Ensure SDS(s) will be readily available
- Ensure a first-aid kit, emergency eye wash station, and fire extinguisher will be at the job site
- Post emergency contact information at the job site
- Ensure chemical spill kits will be readily available

Spray Foam Application Work

- Restrict access to the SPF work area (post signs, use physical barriers)
- Protect employees from SPF chemical vapors and overspray particles
- Wear appropriate PPE to protect the skin, eyes, and respiratory system
- Applicators should wear a NIOSH-approved full face or hood-type supplied air respirator, disposable coverall with hood, and fabric gloves coated with nitrile, neoprene, butyl, or PVC
- Helpers that work near SPF applicators or in the isolated spray area must wear the same PPE as Applicators
- Ensure employees provided a respirator are approved to wear such protection per the OSHA Respiratory Protection Standard
- Provide Grade D breathing air per OSHA regulations to all workers using supplied-air respirators
- Protect non-SPF workers, building surfaces, equipment and materials from SPF mist
- Store A- and B-side drums in a dry location away from direct sunlight
- Inspect air and chemical lines for signs of wear and fatigue

Post-Spray Procedures

- Ventilate the spray area after application for at least 24 hours (e.g., use blowers or exhaust fans to establish air flow through the work area)
- Other construction trade workers should not re-enter the spray area until 12 hours after spray operations are completed
- Other building occupants should not re-enter the spray area until 24 hours after spray operations are completed
- During trimming and cutting of SPF, use a respirator that filters organic vapors and particulates/dust (i.e. OV/P100 cartridge)
- Torch cutting, welding, or any other type of hot work should never be permitted on or near installed foam
- Ensure all waste materials (SPF debris and liquid A- or B-side chemicals) are disposed of properly
- Contact the chemical manufacturer and/or federal, state, and local agencies if you have questions about proper disposal of chemical waste or empty drums
- Empty drums may be sent to a drum re-claimer and/or re-conditioner. Contact the Reusable Industrial Packaging Association (RIPA) at 301-577-3786 to find a drum re-claimer and/or re-conditioner in the USA



Resources for more information on the safe use and handling of spray foam include:

- Covestro LLC:
www.polyurethanes.covestro.com
- Spray Polyurethane Foam Alliance (SPFA); www.sprayfoam.org
- Center for the Polyurethanes Industry (CPI); www.spraypolyurethane.org
- EPA (DfE) SPF
www.epa.gov/dfepubs/projects/spf/spray_polyurethane_foam.html