

# OSHA Safety and Health Regulations Related to SPF Applications

## Module Three: Personal Protective Equipment Handouts and Quiz



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# Module Three: Personal Protective Equipment

*The employer is responsible for requiring the wearing of appropriate Personal Protective Equipment (PPE) in all operations where there is an exposure to hazardous conditions or where this part indicates the need for using such equipment to reduce the hazards to the employees.*

## When is PPE Required?

PPE is required when hazards exist:

- By reason of hazards of processes
- Or environment,
- Chemical hazards,
- Radiological hazards,
- Or mechanical irritants

## What PPE is Required?

Depending on the work environment and the task being done:

- Respiratory Protection (supplied air or purifying air)
- Nitrile Gloves
- Chemically Resistant Suit
- Eye Protection
- Protective Footwear
- Hearing Protection
- Head Protection

## Written Respiratory Protection Program Includes:

- Identify where respirators are needed
- Learn about appropriate respiratory protection options
- Administer medical evaluation for workers wearing respirators
- Conduct fit testing
- Train respirator users
- Maintain written documentation of program

NOTE: When employees provide their own protective equipment, the employer is responsible to assure its adequacy, including proper maintenance, and sanitation of such equipment.



## Understand the Various Respirator Types

In the Spray Polyurethane Foam industry two types of respirator are commonly used: The Supplied Air Respirator (picture on left) or the Purifying Air Respirator (picture on right).

The purifying air respirator is typically used in well ventilated exterior areas such as during roofing applications. The supplied air respirator is used for interior application such as attics.

### Program Administrator Is Responsible for:

- Identifying work areas, processes, or tasks requiring respirators;
- Selecting appropriate respiratory protection options;
- Monitoring respirator use;
- Arranging for and or conducting training;
- Ensuring proper storage and maintenance;
- Conducting qualitative fit testing;
- Administering the medical surveillance program;
- Maintaining required program records;
- Evaluating the respiratory protection program; and;
- Updating the written program, as necessary.

Remember: before using a respirator the employee must be medically cleared to use such a device by a licensed health care professional. For tight fitting face-piece type respirators the employee must be fit tested for that specific respirator.

Fit testing must be done initially (before first use) and at least annually thereafter. Issues that could affect an employee's respirator fit might include weight loss / gain, facial hair or scarring.

# Quiz - Module Three: Personal Protective Equipment

**1. Personal Protective Equipment (PPE) is required:**

- a. When the employee has less than five years experience
- b. When it's raining
- c. When on a jobsite
- d. Whenever an employee cannot be totally protected by Engineering or Administrative means

**2. Which of these items does not qualify as appropriate PPE for a SPF spray technician?**

- a. Chemically resistant suit
- b. Dust mask
- c. Eye protection
- d. Nitrile gloves

**3. Prior to using a respirator the employee must first**

- a. Completed high school
- b. Pass a medical evaluation by a licensed health care professional
- c. Participate in a vocational studies program
- d. Possess a driver license

**4. Employee fit testing on respirators:**

- a. Requires a passing grade of at least 75
- b. Must be performed at least annually
- c. Is only required if the employee has a beard
- d. Is optional (only if the employer requires it)

**5. Issues that could affect a respirator fit include**

- a. Weight gain
- b. Weight loss
- c. Facial hair
- d. All of the above

**6. Two types of respirator used in SPR applications include Supplied air and Purifying air.**

- a. True
- b. False

**7. When employees provide their own PPE, the employer has no responsibility.**

- a. True
- b. False

**8. While applying SPF in an enclosed attic space which respirator would be appropriate?**

- a. Purifying Air respirator
- b. Supplied Air respirator
- c. Either Purifying Air or Supplied Air respirators
- d. Neither Purifying Air or Supplied Air respirators

**9. Respirators can be stored in an empty "A" side container**

- a. True
- b. False

**10. The Program Administrator is responsible for the respiratory protection program.**

- a. True
- b. False

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# Answer Sheet for Quiz - Module Three: Personal Protective Equipment

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