

## KNOWLEDGE

The charcoal cartridge of a tight-fitting respirator used for spraying must have a label of this color:

- White
- Yellow
- Green
- Black

Respirators, part 1, slide # 4

A supplied-air respirator (fresh-air system) provides painters with breathable air. This air must be:

- Monitored for carbon monoxide content
- Filtered to remove dust particles
- Filtered to remove oil particles
- Have low concentration of water vapors
- Calibrated daily for proper airflow

Respirators, part 2, slide # 3

In a shop, the air supplied to the painter's fresh-air facepiece is not passing through any filters after it leaves the compressor. The painter finds a belt-mounted filter and he uses it to purify the air he breathes. Is this adequate?

- Yes, as long as the filter is changed regularly
- Yes, as long as the compressor takes air from a clean area of the shop
- No, a single filter cannot "produce" breathable-grade air
- No, a single filter allows water to condense on the line

Respirators, part 2, slide # 3

A half-facepiece respirator only fits well and protects you if you have shaved the same day.

- True
- False

Respirators, part 1, slide # 2

How often should you do a respirator user seal check?

- Once each day
- Each time you put on the respirator
- At least once each week
- After changing the respirator cartridges

Respirators, part 1, slide # 7

Which of the following is an OSHA-approved product that can be used to perform a respirator fit test?

- Baby oil
- Banana oil
- Pepper spray
- Salt spray

Respirators, Homework # 1



**Chemical cartridges containing activated charcoal must be changed every 2 weeks (or 40 hours) of use because:**

- ~~The charcoal expires after this time~~
- The charcoal can only adsorb a limited quantity of vapors
- ~~The pre-filters become loaded with overspray~~
- ~~The cartridges become too heavy and the mask does not seal well.~~

Respirators, part 1, slide # 4

**On the package of respirator cartridges used for spraying, you will find the following information:**

- Type of cartridge (letter and/or number codes)
- ~~OSHA approval number~~
- Expiration date
- ~~Composition of the charcoal~~
- ~~Recommended duration of use~~
- Manufacturer name

Respirators, part 1, slide # 4

**The carbon monoxide (CO) monitor on a supplied-air respirator must be calibrated periodically because:**

- The CO sampling cell has a limited life span
- The CO sampling cell drifts from baseline
- ~~OSHA requires it~~
- CO monitor manufacturer requires it
- ~~The CO alarm limit must be reprogrammed~~

Respirators, part 2, slide # 6

**A supplied-air respirator can operate with hoses of different lengths. The hoses must be:**

- Purchased from the respirator manufacturer
- ~~Purchased from a home improvement store~~
- ~~Certified by OSHA as part of the assembly~~
- Certified by NIOSH as part of the assembly
- ~~Certified by ASE as part of the assembly~~

OSHA standard 1910.134  
Respiratory Protection

**OSHA recommends that oil-lubricated compressors are equipped with at least one of which of these alarms?**

- High temperature alarm
- High CO alarm
- ~~High humidity alarm~~
- ~~High particulates alarm~~

OSHA standard 1910.134  
Respiratory Protection



**Complete this sentence to create a “True” statement: Medical evaluation for respirator users...**

- ✓ Must be paid for by the employer
- ✓ Must be administered during regular working hours
- ✓ Can be in the form of an on-line questionnaire
- ✓ Must be done before an employee is required to use a respirator
- ✓ Must result in a written recommendation for the employer

Respirators, Homework # 2

**OSHA requires that the following activities must occur once a year:**

- ~~○ Respirator medical evaluation~~
- ~~○ Respirator fit check~~
- ✓ Respirator fit test
- ✓ Respirator training
- ~~○ Respirator filter change~~

Respirators, Homework # 2

**A respirator with filters that have the code P100 on them protects you from:**

- ~~○ Paint vapors~~
- ✓ Sanding dust
- ✓ Welding fumes
- ~~○ Carbon Monoxide~~
- ~~○ Chlorine gas~~

Dust and Fumes, slide #13

