



Weekly Safety Tip

Getting Your Home Ready This Fall



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Preventative maintenance now that can save money on expensive emergency repairs and wasted energy costs and enhance your home's value and appeal.

Exterior Maintenance:

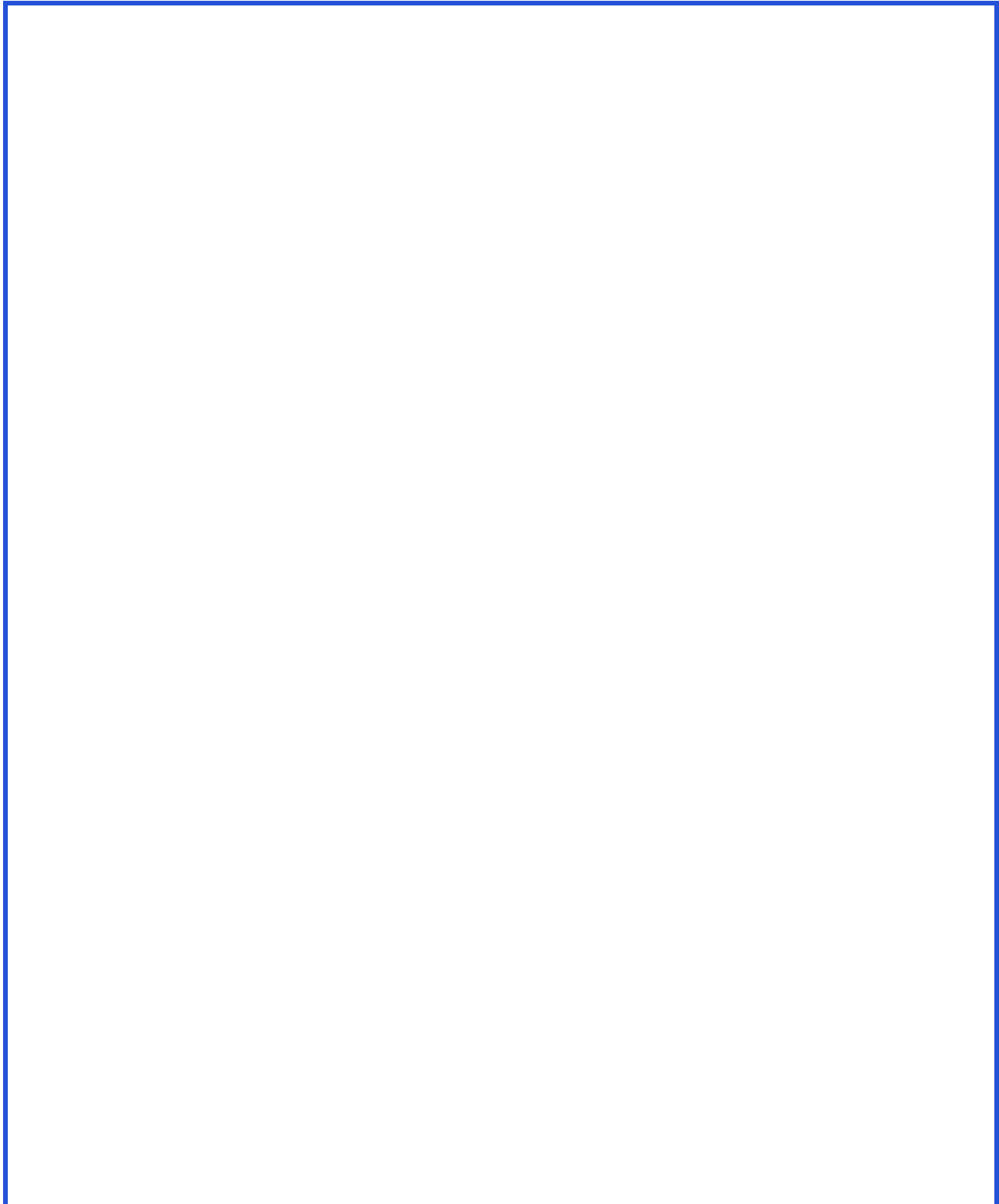
1. **Do a roof check:** Perform a visual inspection of the roof from the ground. Look for missing, damaged, or loose shingles. If there are flat areas you may need to remove leaves and debris.
2. **Check the chimney and fireplace:** If you have a wood fireplace and use it often, have your chimney cleaned and inspected by a professional.
3. **Stock up on firewood:** Order enough for the season. Cover your firewood to keep it dry and ready.
4. **Inspect siding:** Check home exterior for cracks or holes. Repair them yourself or hire a professional.
5. **Clean the gutters:** Remove leaves, nests, and debris from gutters and check for leaves.
6. **Check your water drainage:** Rainwater downspouts need to be clear of obstructions and direct water away from foundations, walkways, and driveways. Add extensions to downspouts if necessary.
7. **Reinforce windows and doors:** Remove screens and install storm windows and doors if you use them. Check caulk and seals around all doors and windows.
8. **Turn off faucets and store hoses:** Drain garden hoses and disconnect from outside spigots. Shut off exterior faucets and store hoses in a dry place so residual water will not freeze.

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Weekly Safety Share

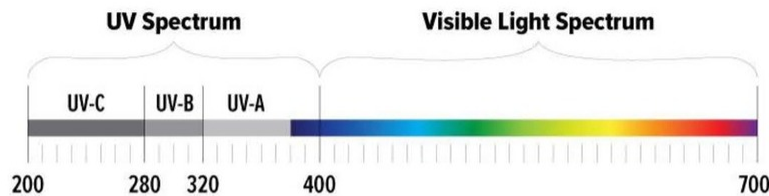


How Effective is UV-C for Industrial Hygiene?





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The COVID-19 pandemic brought the need for advanced disinfection techniques into sharp relief.

UV-C disinfection is a popular choice for hospitals and other medical facilities, but how effective is it for industrial hygiene?

Variations of UV Radiation

UV — or ultraviolet — radiation exists on a wavelength visible to the unaided eye. Scientists break this radiation into three primary types — UV-A, UV-B and UV-C.

The sun emits all three wavelengths of UV radiation, though UV-A and UV-B are the only ones that reach the surface. The atmosphere and ozone layer typically absorb UV-C.

UV-A and UV-B exposure are necessary to help the human body produce vitamin D, but excessive exposure can lead to sunburn and premature aging in the short term. It can also increase an individual's risk of developing skin cancers such as melanoma.

While UV-C might not make it through the atmosphere, it is possible to replicate this ultraviolet wavelength and use it here on Earth.

How Effective is UV-C?

Researchers classify UV-C radiation as germicidal. They may also refer to it as ultraviolet germicidal irradiation or UVGI.

Exposure to this wavelength of light works to deactivate the DNA in any microorganisms it encounters, including but not limited to — bacteria, viruses and mold spores.

UV disinfection is a popular choice for destroying microorganisms in drinking water, making wastewater treatment safer, improving food safety and even promoting plant growth.

During the COVID-19 pandemic, many building owners explored the potential for UV-C lamps in HVAC systems to kill airborne pathogens like COVID-19.

Research shows these lamps have the potential to inactivate or kill up to 98% of airborne pathogens within just five minutes of exposure.

While COVID itself was not airborne, it could travel through HVAC systems on respiratory particles.





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