

Disinfecting floors with Neo

With custodial teams having to clean more regularly and frequently than before the pandemic, autonomous solutions are the perfect addition to the team to help offset the increased workload. Not only does Neo, the autonomous floor scrubbing robot, deliver a quality, consistent and measurable floor clean—it can also be used to disinfect floors.

While the method applied in each particular circumstance will vary depending on floor type, chemicals available and other factors, the basic workflow and general principles are as follows:



Review and apply safety precautions

Review and apply any applicable safety precautions before starting the cleaning and disinfecting process. These often include, but are not limited to:

- ▶ Consulting with product labels to ensure proper use
- ▶ Wearing personal protective equipment (PPE)
- ▶ Placing “wet floor” signs to eliminate slip hazards
- ▶ Setting up barricades or otherwise temporarily restricting access to areas in question from the public



Pre-sweep

Perform a pre-sweep to remove loose debris from the floor. Bacteria and viruses may reside on or in dirt particles. Without removing them, disinfecting chemicals will not be as effective as some germs cannot be reached.



Clean

Use Neo and a detergent (typically a neutral pH floor cleaner) to remove stuck-on dirt and stains.

Much like a nurse scrubbing their hands with soap and water, Neo scrubs the floor, sanitizing and removing germs in the process. Depending on the degree of sanitization required, this may be accomplished without the use of disinfection specific chemicals. Sanitizing with soap and water is significantly better than nothing at all.



Prepare disinfecting solution

If not pre-mixed, prepare the disinfecting solution according to the manufacturer’s specifications. Ensure that the dilution ratio is correct so that the potency is sufficient to disinfect, but not so strong as to pose a safety risk.



Soak

Cover the already-cleaned surface with the disinfecting solution—this can be achieved easily and with minimal labor using a Neo robot whose vacuum suction system has been turned off. The solution must remain on the floor for an appropriate time, as stated on the product label.

Testing performed by Avidbots has determined that Water Flow Setting 2 is generally sufficient to achieve a 10+ minute dwell time (typical of a large number of disinfecting products) at room temperature, with normal indoor ambient humidity levels. This accounts for Neo’s speed and navigational behaviours.



Cleanup

Following an appropriate dwell time, fluid may remain on the floor which should be collected to eliminate any slip hazards. Additionally, some disinfecting solutions may leave a sticky residue on the floor. Rinse the floor with Neo (using either water, or a neutral pH cleaner) to remove residue and collect any residual fluid.

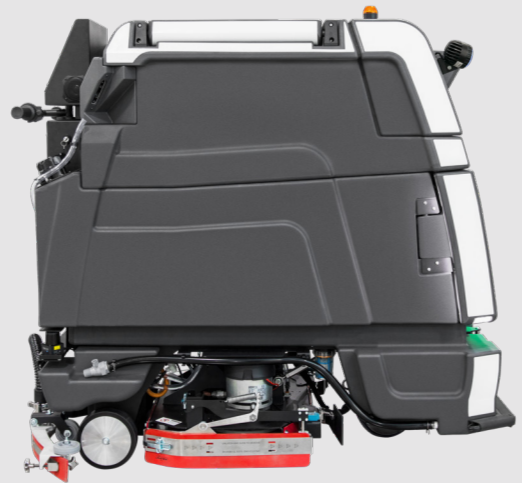
By following these steps, you can ensure that your facility’s floors are as virus-free as reasonably possible.

Additional considerations

- ▶ Sanitization via cleaning takes time—consider setting your Neo robot to a slower speed. Scrubbing may take longer, but your floors will be cleaner and with less germs.
- ▶ Some disinfecting chemicals are harsh. Your Avidbots Neo cleaning robot may require additional maintenance if chemicals not rated specifically for use in an autoscrubber are used (see your user manual for a list of prohibited substances).
- ▶ While Neo will disinfect the floor, cleaning staff should disinfect Neo. Clean the robot thoroughly, let dry completely and then disinfect according to the product label. Always wear PPE and wash hands thoroughly after completed.

Why Avidbots?

Buying an Avidbots Neo isn't just buying a floor scrubber. It's investing in a technological future that can redefine your cleaning function, making it more productive, more cost effective and easier to run. More importantly, our robotics and AI technology open up new opportunities to make your business even more successful. We realize this isn't just about buying a product, or a technology, or even a business proposition. You want to buy into a trusted partner who can take you into the future of automated operations using cutting edge robotics. At Avidbots, we work side-by-side with our customers to earn that trust and realize all the benefits that robotics can bring them.



About us

Avidbots is a robotics company with a vision to make robots ubiquitous to unlock humanity's potential with a hyperfocus on autonomous cleaning. Our groundbreaking product, the Neo fully autonomous floor scrubbing robot, is deployed around the world and trusted by leading facilities and building service companies. Headquartered in Kitchener, ON, Canada, Avidbots is offering comprehensive service and support to customers on 5 continents.

Contact us

Learn more about Neo.



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BR-DIS-NEO-03082021

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