

Disinfecting Commercial & Retail Spaces



A Quick Guide on Disinfecting Offices & Retail Outlets using Ki-ose 150

A Global Fight for Life Safety on Commercial & Retail Spaces



The Big Challenge: Distinguishing the Danger from Hassle

The New York Times

How Big Businesses Get a 'Deep Clean'



How Big Businesses Get a 'Deep Clean'

As other workplaces go online-only, traders continue to jostle on the floor of the New York Stock Exchange. The building has started to be regularly sanitized to help protect against coronavirus.

By Nellie Bowles
Published March 16, 2020 Updated April 10, 2020

On a recent day on the floor of the New York Stock Exchange, traders were cheek-to-cheek as stock prices flashed above them. They stood in clusters shouting, sharing screens, sharing pizza, sharing pens. They shook hands, leaned over shoulders, patted each others' backs, hugged. There were no windows open.

The New York Stock Exchange was not built for social distancing. But it is not ready to close and send the traders home because of the coronavirus.

And so, starting late Friday night, the stock exchange got fully sanitized for the first time since the iconic neoclassical building opened in 1893. More precisely, it got a "deep clean."

The process took eight hours and a crew of 10 specialists. These deep cleanings are planned to be repeated weekly, at a cost of hundreds of thousands of dollars per month. But those in charge of the building and many of the traders themselves believe the New York Stock Exchange — a symbol of American economic might and stability — is too important to shut down.

Bloomberg

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Prognosis

Rush to Disinfect Offices Has Some Environmental Health Experts Worried

The EPA list of approved cleaning agents for the coronavirus includes some that haven't been proven safe for humans.

By Arianne Cohen
June 15, 2020, 12:30 PM GMT+5:30



Businesses across the U.S. have begun intensive Covid-19 disinfection regimens, exposing returning workers and consumers to some chemicals that are largely untested for human health, a development that's alarming health and environmental safety experts.

The rush to disinfect is well-intentioned. Executives want to protect employees while abiding by U.S. Centers for Disease Control & Prevention guidelines (and to avoid liability). Pre-pandemic, corporate cleaning staffs typically "freshened" lobbies every three hours, sanitized restrooms every four hours and cleaned other areas at night, said Rich Feczko, national director of systems, standards and innovation at Crothall Healthcare, which cleans hundreds of hospitals.

THE ECONOMIC TIMES

Entire office building needn't be closed if 1 or 2 COVID-19 cases are reported: Health Ministry

"Any staff requesting home quarantine based on the containment zone activities in their residential areas should be permitted to work from home. DoPT guidelines with respect to organizing meetings, coordinating visitors shall be scrupulously followed," the guidelines stated.

PTI | Last Updated: May 18, 2020, 10:12 PM IST

1 Comments

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Agencies

NEW DELHI: The entire office building need not be closed if one or two cases of COVID-19 are reported there and work can resume after it is disinfected as per protocol, the Union health ministry said on Monday.

However, if there is a larger outbreak, the entire building will have to be closed for 48 hours. All staff will work from home till the building is adequately disinfected and is declared fit for re-occupation, it said in the guidelines on preventive measures to contain the spread of COVID-19 in workplace settings.

The document outlines the preventive and response measures to be observed to contain the spread of COVID-19 in workplace settings.

It stated that any staff reportedly suffering from a flu-like illness should not attend office and seek medical advice from local health authorities. Such persons, if diagnosed as a suspect or confirmed case of COVID-19 should immediately inform office authorities, it said.

"Any staff requesting home quarantine based on the containment zone activities in their residential areas should be permitted to work from home. DoPT guidelines with respect to organizing meetings, coordinating visitors shall be scrupulously followed," the guidelines stated.

The high-risk exposure contacts will be quarantined for 14 days and they will follow the guidelines on home quarantine and undergo testing as per ICMR protocol while low-risk exposure contacts shall continue to work and closely monitor their health for next 14 days, the ministry stated in the guidelines.

The Standard

Top News Editorial Local Business China World Sports Central Station Columns

Office closes for disinfection after employee confirmed with virus

Local | 3 Mar 2020 6:50 pm

The management of Hopewell Centre in Wan Chai said today that after knowing an employee of a tenant – the 101th case – was confirmed with the coronavirus last night, the office has been closed for thorough cleaning and disinfection.

It added that the man, who is staying at the Pamela Youde Nethersole Eastern Hospital, last visited the office briefly on February 23.

The building's public area and facilities, including elevator lobbies, elevators, escalators and toilets, will also be cleaned and disinfected.

UAE HEALTH

Better Health Why Worry

Keeping homes, workplaces and possessions virus-free

A DHA official offers advice on how to minimise your risk of COVID-19 infection

While the UAE Government has launched a nation-wide disinfection programme in line with the precautionary measures taken by the country to contain the spread of COVID-19, it is important for us as individuals to also make sure that our personal space and belongings are clean and virus-free.

Disinfecting the workplace

If you are still going to work, Dr Al Awadhi said that employees and employers need to take all necessary health and safety precautions.

"In addition to practicing physical distancing and maintaining at least two metres' distance from one another, it is also important to ensure that the workplace has an effective and sustainable ventilation system and that the offices are cleaned periodically (at least twice), this includes roofs, chairs, door handles, curtains and joint contact points, using appropriate disinfectants."

She added that the workplace should ensure strict disinfection and sterilisation procedures are applied in toilets, washrooms, prayer rooms, elevators and common use facilities.

"Make sure to practice good personal hygiene standards and wash your hands regularly and don't forget to adhere to coughing and sneezing etiquette. Make sure to disinfect your personal space — this includes your desk, phone, pens and notebooks and also replace glass cups with single-use paper cups."

Bloomberg Quint

As Tokyo Reopens Nightlife, Clubs Become Virus Danger Zones

Prevalent Risk @ Common Spaces during this outbreak:

- Employees are exposed easily to infections from Asymptomatic carriers
- The severity increases during the break times
- Still people are shy to use masks
- Many people use improper masks which is of no use
- Lot of human touch points carry microorganism to others



Disadvantages in Conventional Disinfectants

Chlorine / Sodium hypochlorite solutions

- One of the oldest disinfectant, invented in 1875.
- Widely used as bleaching agent.
- Cheap, easily available disinfectant for potable water, swimming pool etc.,

Disadvantages

- Concentration is unstable when exposed to heat resulting in performance variation.
- Not effective against Viruses such as Corona Virus.
- Causes eye, skin irritation.
- Corrodes metals and deteriorates fabric and polymers.

Hydrogen peroxide solutions

- Oldest disinfectant, invented in 1818
- Widely used as bleaching agent
- Cheap, easily available disinfectant used as mild antiseptic, to clean stains etc.,

Disadvantages

- Concentration is unstable and varies with pH of the solution.
- Effective against Virus only at higher concentration and higher contact time.
- Causes eye, skin irritation.
- Corrodes metals and deteriorates fabric and polymers

Greatest Worry for any Facility Manager:

“Facility Managers are not only struggling to select the right disinfectant but also the right method of application”



What to use?

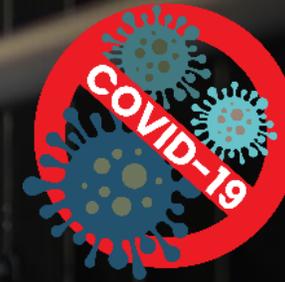
A product that is not harmful to people
A product that does not affect the interiors
*A product that is **quick & effective against COVID19***

How to use?

A procedure that is easy and hassle free
A procedure that has maximum efficacy
*A procedure that causes **“zero” disruption to day-to-day activity***

Introducing: Ki-ose 150 – A Modern Disinfectant to a Modern

Problem



Ki-ose 150 - A Modern Disinfectant to a Modern Problem

Advantages of Ki-ose

A New Generation Disinfectant

Safe on machine and material (non-reactive to metals)

Low contact time to destroy the Covid 19 virus (5 minutes)

Tested against the Virucidal Effectiveness European Standard EN 14476.

Effective against bacteria, fungi and Lipophilic Viruses – the family of the Corona Virus.

Available in Concentration form, to be diluted(1:50) before use.

Water based, can be applied through sprayer or fogger.

Advantages of Fogging using Ki-ose 150

Disinfectant

- Urban Buildings have become confined with more complex fixtures and furniture.
- Air-conditioned spaces with less or no ventilation makes it difficult for traditional disinfection methods.
- Disinfection by fogging is *quick, reliable and convenient.*

Ki-ose 150: Standard Operating Procedure for Fogging an office:

- It is ideal to Disinfect the entire office / shop once a week at least.
- If the place is in a hotspot, we recommend disinfecting the facility everyday after office

hours. Before Disinfection:

- Client to ensure:
 - All employees have left the facility.
 - External Windows are closed. All internal doors are open. Air-condition is on. All drawers and cupboards are kept open.
 - Source of 5Amps Power supply within the facility.
 - It takes 10mins per 1000 sq.ft. Based on this calculation time to be given to the Fogging Team to fog the facility.

During Disinfection:

- Our Fogging warriors suited in PPE will disinfect the entire premises with our Fogging Machines filled with Ki-ose 150 water mix.
- Fogging gives a very small particle size $< 10\mu$ and spreads quickly and uniformly.
- It takes 5 minutes for the active to kill Covid19 if present on the surface that is being Fogged.
- Once Fogging is done, our team will disconnect the Fogging Machine and exit the facility.

After disinfection:

- After 5-10mins, the doors and external windows can be opened for ventilation.
- The premises is now Disinfected and is safe for employees to resume their work.



Note: Disinfection is a treatment and not a preventive solution. Hence it is advised to repeat the Disinfection process based on the severity of Infection in that locality.

Rate Card for Disinfection using Ki-ose 150

Commercials:

Slab (Sq. ft.)	Rate in INR
Below 5,000	INR 7,500 (Lumpsum)
5,001 to 10,000	INR 1.0 Per Sq.Ft
10,001 to 1,00,000	INR 0.9 Per Sq.Ft
1,00,001 to 5,00,000	INR 0.8 Per Sq.Ft
Above 5,00,000	INR 0.7 Per Sq.Ft

Terms & Condition:

- GST @18% will be charged extra.
- Above rate is inclusive of material and manpower.
- The Quote price is valid for a single treatment on the specified areas.
- **Payment Terms:** 50% Advance, 50% on Completion
- Tax invoice will be submitted after the completion of the job, as per the actual measured area.
- **Intimation Period:** Within 3 days along with the PO.
- The above rate is valid till 31st July 2020.
- Deployment of additional Manpower will be subject to availability.
- Protecting equipment and other valuable items is under the scope of the Client.
- Fire Alarm System to be turned off to avoid false alarms during the Fogging process.
- Provision of power supply for the Fogging Machine is under the scope of the client.

Disclaimer:

- This is a one-time disinfectant treatment that will be done in a single session.
- The treatment will ensure termination of the Bacteria, Fungi and Viruses present on the surfaces and equipment present during the disinfecting process.
- The disinfecting service does not guarantee future protection against such viral pathogens on the surfaces and equipment. We hence recommend to disinfect your premises regularly.

Disinfect = Protect

Ki-ose 150

A Modern Disinfectant to a Modern Problem

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