The invisible room cleaner







For a healthier indoor environment

Why indoor environment matters

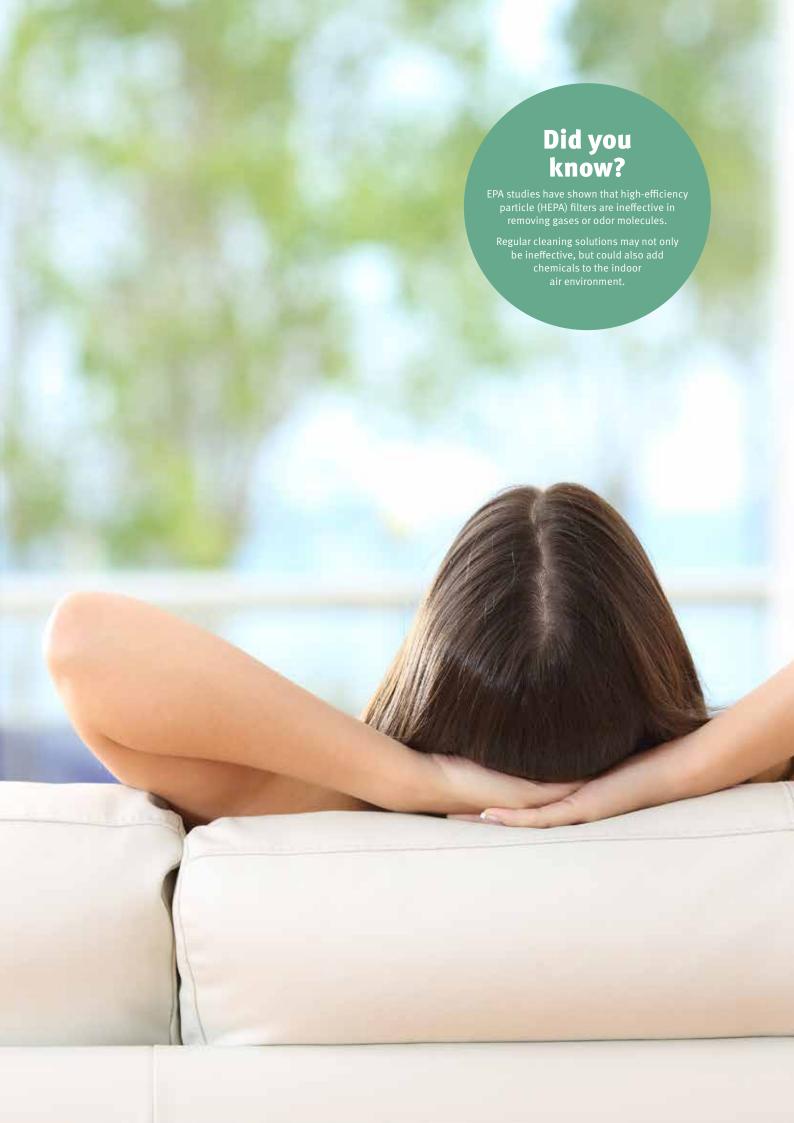
According to the Environmental Protection Agency, people spend nearly 90% of their lives indoors, yet air in building interiors is often more polluted than air outdoors. From respiratory illnesses and increased allergies to debilitating headaches and decreased lung function, we're plagued with potential problems when indoor air quality is poor. Studies show that the risk of catching COVID-19 and other respiratory pathogens is higher indoors than outdoors.

The solution: a flooring additive

A floor with Hygienius integrated in its lacquer layer enables a natural photocatalytic process to take place when the floor is exposed to daylight or indoor light. This allows harmful emissions and unpleasant odors to be broken down as well as degradation of bacteria, fungi and virus on the surface. Hygienius contribute to make the floor surface cleaner, healthier and easier to clean. Hygienius is suitable for most types of floors (eg wood, lvt, spc) with a lacquered surface.

"A floor that actively breaks down formaldehyde every day will improve your indoor climate drastically"

Dr. Stephen O Hay, United Technologies Research Center (UTRC)





Improved indoor air quality

Hygienius removes over 99% of virus and bacteria

as well as breaks down narsh odors and hazardous substances



Degrading VOCs

Volatile Organic Compounds (VOCs) emitted from interior surfaces have a negative impact on indoor air quality and pose potential health problems. The light-induced powers of Hygienius literally make indoor air fresher and harmful VOCs and unpleasant odors are practically eliminated.



Reduces virus & bacteria

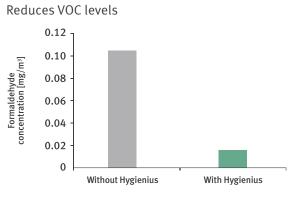
Tests with different bacteria have shown that floors with Hygienius can contribute to reduce both viruses and bacteria. Tests have shown that more than 99.9% of the viruses had disappeared after just 4 hours. And after a total of 8 hours — so had 99.6% of all bacteria.

This is how Hygienius works

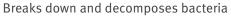


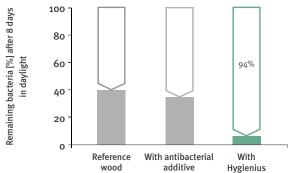


The facts speak for themselves



Measurement performed in normal chamber with continuously emitting formaldehyde source. Tested according to a modified EN717-1.





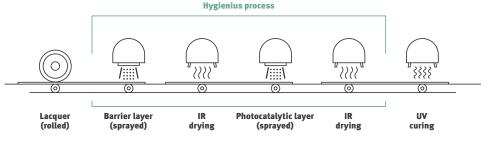
Measured according to hygiene standard DS 2451-10.

99.9% in 4 hours

Determination of antiviral activity of semiconducting photocatalytic materials (ISO 18061:2014) have shown that after 4 hours 99.9% of all viruses had disappeared. Bacteria evaluations (according to ISO 27447:2009) have shown that Hygienius enhanced floors can contribute to reduced bacteria levels by more than 99.6% after 8 hours.

Production process

Adding Hygienius to the production process involves adding four additional steps after the lacquer has been applied and before the final UV curing step.



Innovation – engrained in everything we do

Innovation has been the heart and soul of our business since the company was founded in 1993. Our progress is built on constantly challenging today's technological solutions with new ways of thinking. It was what led us to revolutionize the way people install and use floors, the development of highly durable and more sustainable flooring solutions, and groundbreaking methods to assemble furniture without any tools or fittings.

Today, our licensees can be found all over the world. All our development activities take place at our R&D center in Viken, Sweden — it's our high-tech hub for developing new concepts and providing pilot manufacturing, testing, and technical support.

Each day, we make sure our licensees get access to the latest flooring, furniture, and surface technologies used in people's everyday lives.



