

EFFICACY AND SAFETY OF UVC TECHNOLOGY

UVC PERFORMANCE

Third-party clinical studies on the efficacy of 253.7nm UVC light on SARS-CoV-2, the virus which causes COVID-19, have been performed.

Boston University testing



5 mJ/cm² dose

achieved ► **99.9% reduction**

The Honeywell UV Treatment System is capable of exceeding that.

9.6–39.0 mJ/cm²
dose at a speed of 10 rows/minute



► **> 99.9% reduction**

of the tested viruses and bacteria on tested tray tables, cabin seating arm rests and lavatory seat, armrest and wash basin



On-aircraft testing



UVC OPERATOR SAFETY



Third-party safety evaluation

- Safe system operation
- No short or long-term health impacts

◀ When adequate Personal Protective Equipment (PPE) is used appropriately

International/national/local organizations set standards for UV exposure and worker PPE. (e.g., International Commission on Non-Ionizing Radiation Protection)

Users of the Honeywell UV systems must be familiar with and follow all applicable regulations, policies and procedures for their region and country of use.

UVC MATERIALS IMPACT



UVC impact testing

Tests run on a wide variety of aircraft materials including, but not limited to:

- seating materials
- plastics, window and IFE covers
- cockpit systems
- seat belts



Flame retardancy exhibited no significant impact



No noticeable change in **color/appearance** for most materials under



Material strength exhibited no significant impact

10 years of use



◀ When using once per day



This product has not been tested specifically as to protection against COVID-19. As with all of our products and services, Honeywell will adhere to its commitment to integrity and compliance within its global supply chain; meet relevant legal, scientific and industry standards; substantiate claims; and obtain necessary regulatory approvals as products progress through the development process.

For more information, visit: <https://aerospace.honeywell.com/en/learn/products/cabin/uv-treatment-system>