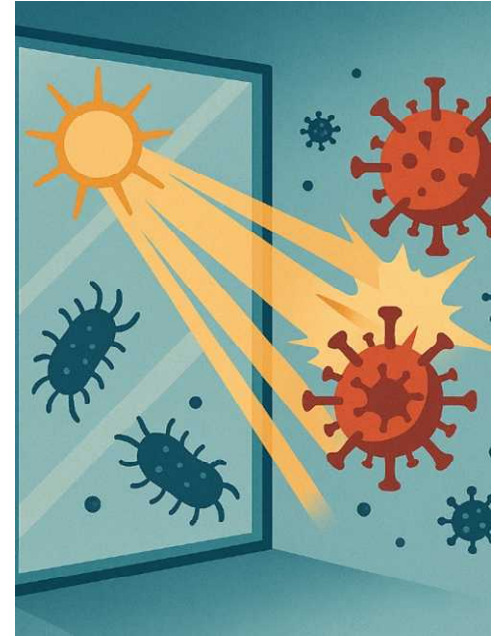


## Sunlight Against Viruses How Sunexx Glazing Makes Rooms Healthier

A study conducted by the University Hospital of Regensburg confirms the antiviral effect of sunlight through Sunexx special glazing.

In a time when health and hygiene in our living and working environments are more crucial than ever, a frequently overlooked source of health promotion is moving into focus: **natural sunlight, selectively filtered through glass that permits essential wavelengths to pass through.**

This is precisely the innovation delivered by Sunexx glazing. Its advanced glass and foil technology specifically transmits **biologically significant UVB and infrared wavelengths** – wavelengths typically blocked by conventional thermal insulation glazing.



### Scientifically Proven: Sunlight Through Sunexx Glass is Antiviral.

A study published in March 2025 by the University Hospital of Regensburg, led by Prof. Dr. med. Mark Berneburg and Dr. rer. nat. York Kamenisch, demonstrates:

***UVB radiation, when filtered through Sunexx glazing, significantly reduces virus activity in a bacteriophage model.***

Results revealed that sufficient UVB radiation, even after filtration through Sunexx glass, **remains effective in deactivating viruses** (in this case MS2 bacteriophages, RNA viruses similar to the coronavirus).

Compared to control groups without UV treatment, there was a **significant reduction in infectious viruses**, clearly observable through modern plaque assays.

### What Makes Sunexx Glazing Unique?

- **High transmission of health-promoting UVB and NIR (near-infrared) wavelengths**
- **Reduction of harmful UV rays**, which can lead to skin ageing and cellular damage
- **Brilliant optical quality** – clearer vision compared to conventional, iron-containing insulating glass
- **Scientifically proven protective effect** against viral contamination indoors

This glass innovation thereby meets three crucial requirements of modern construction:

1. **Bright, aesthetically appealing spaces**
2. **Passive health contribution – strengthening immune responses and virus inactivation**
3. **Technological compatibility with energy efficiency and sustainability requirements**

# Press release

Regensburg / Empfingen, 23 July 2025



## Relevance for Property Owners, Architects, Planners, and Facility Managers

Whether in **residential buildings, office buildings, hospitals, care facilities, kindergartens, or schools** – Sunexx glazing demonstrably **adds health benefits** wherever people spend their daily lives. It transforms windows into active sources of health benefits, without any technology, electricity or maintenance.

Especially in times of increased demands for infection control, mental wellbeing, and daylight-oriented architecture, Sunexx offers a **globally unique, scientifically validated solution**.

## Scientific Reference:

*"Investigation of the antiviral qualities of UVB irradiation filtered with Sunexx filter foils or Sunexx filter glasses in a bacteriophage bacteria system",*

University Hospital Regensburg,

Research Leads: Prof. Dr Mark Berneburg, Dr York Kamenisch, March 2025.

## About Sunexx® \*\*\* [www.sunexx.de](http://www.sunexx.de)

Sunexx GmbH is a pioneer in the field of health-enhancing glazing and innovative sun protection technologies. Based in Empfingen, Germany, Sunexx has been developing highly specialised solutions for over two decades that make natural sunlight – the "elixir of life" – specifically and effectively usable and compatible for humans.

Sunexx's vision is to enable healthy living and working in harmony with nature. The aim is to restore to buildings the sunlight that modern architecture and construction technology increasingly block out, while blocking precisely those wavelengths that are crucial for health, immune function, mental well-being and performance.

Sunexx has been working closely with leading research institutes and university hospitals for many years. Studies have proven highly efficient protection against skin damage as well as antiviral and photobiological effects.

## The innovations are:

- Photobiologically effective glass solutions that allow UVB, visible and infrared light to pass through in an ideal balance
- Sun protection systems that not only keep out heat but also preserve biologically effective light
- High-purity, low-iron glass with brilliant clarity and selective spectral filtering

For further information on Sunexx® and high-resolution images, please contact:

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