

PLANIBEL EASY

Easy-clean glass
and so much more



HELPS
REDUCE
TRANSMISSION
COVID-19

Planibel Easy is a product with two main uses, each with unique advantages

**Firstly, it keeps your windows and conservatories/
greenhouses clean.**

How? Simple: the special coating on the glazing works in two steps, by using daylight to break down organic dirt followed by rain to remove it.

**Secondly, Planibel Easy helps to reduce viral
contamination when exposed to daylight on
exterior and interior glass surfaces.**

How? When UV radiation activates the coating (photocatalytic effect), this accelerates the destruction of viral particles on its surface, including SARS-CoV-2 particles (the virus responsible for Covid-19).

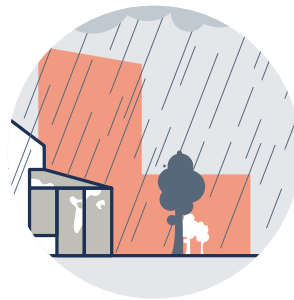
> HOW DOES THE COATING WORK FOR CLEANING? (action against organic dirt)



1. Coating is activated by UV light



2. Organic deposits are destroyed



3. Rain washes the dirt away

> HOW DOES THE COATING WORK FOR HEALTH PURPOSES? (action against virus)



1. Coating is activated by daylight or UV light



2. Invisible active radicals are created on the glass surface by photoactivation



3. Virus on surface are broken down by active radicals



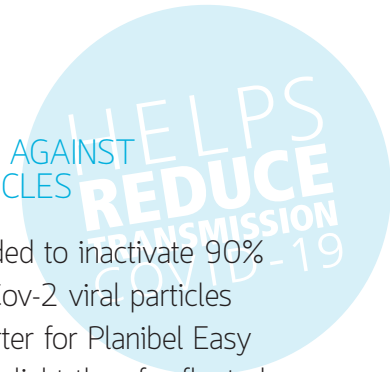
4. Coating remains active even several hours after UV/daylight exposure

OPTICAL & ENERGETIC PROPERTIES

	Planibel Easy Clear 4 mm	Planibel Easy Clear 6 mm	Planibel Easy Blue 4 mm	Planibel Easy Blue 6 mm
Light Transmission	84	83	63	53
External Light Reflection	14	14	12	14
Solar Factor (%)	82	81	58	50
Energy Reflection (%)	13	13	11	11
Energy Absorption (%)	6	8	41	52

PROPERTIES AGAINST VIRUS PARTICLES

The time needed to inactivate 90% of the SARS-Cov-2 viral particles is 37.5% shorter for Planibel Easy exposed to daylight than for float glass or acrylic glass. This means that using Planibel Easy greatly reduces the risk of viral transmission when we touch the surface. ⁽¹⁾



AS SIMPLE AS PLANIBEL EASY CLEAR AND PLANIBEL EASY BLUE

What's so special about it? | What does this mean for you?

- | | |
|--|---|
| <p>Special two step easy clean coating</p> <p>Coating works to spread water evenly over the surface of the glass</p> <p>Coating helps to destroy virus particles</p> <p>Neutral appearance</p> <p>High light transmission</p> <p>Pyrolitic coating</p> <p>Independently tested to EN1096-5</p> <p>Independently tested against virus particles</p> | <ul style="list-style-type: none"> – Effortless window cleaning as UV light activates the coating (even on cloudy days) to break down organic dirt and rain washes it away – Uniform cleaning of glass surface, quick drying action – Reduces the risk of viral transmission when we touch the surface – Virtually indistinguishable from standard window glass – Lets in maximum daylight – Very durable and highly resistant to corrosion, scratches & chemical damage – Easy to process for glazing manufacturers. Can be tempered, toughened, laminated, bent and processed into IGU – Easy clean properties tested and verified by the renowned Fraunhofer Institute for Surface Engineering & Tho, Films IST – Properties tested and validated by University of Namur (BE) and Assistance Publique - Hôpitaux de Paris (FR) ⁽¹⁾ |
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APPLICATIONS OF PLANIBEL EASY

- **For cleaning uses:** windows, conservatories, skylights, atrium, canopy
- **For Health uses:** all frequently touched surfaces that can be regularly activated by daylight or suitable UV lighting in private or public environments, such as:
 - Buildings, offices, retail markets, schools, hospitals and healthcare centres, sports facilities and leisure and hospitality environments
 - Public transport such as trains, trams, metros, buses, taxis, ferries and cruise ships
 - Street furniture, bus stops, info displays, balustrades, doors etc.
 - Touch panels in all shared spaces

PLANIBEL EASY CLEAR & PLANIBEL EASY BLUE ARE AVAILABLE:

- On Planibel Clearlite and on Planibel Dark Blue **in 4 mm and 6 mm**
- **In the following sizes:**
 PLF 6000 x 3210 mm, DLF 2250 x 3210, 2550 x 3210

(1) Independent study published by Coatings Journal - www.mdpi.com/2079-6412/11/4/371

For more details, refer to AGC's Product Catalogue on www.agc-younglass.com