



# TEC LUX 350 HEALTH PROTECT

## Product Information

Monomeric PVC Film (Transparent gloss 80 µm) with antibacterial agents and ultra-clear acrylic solvent adhesive (permanent), laminated on an one-sided clay-coated silicone paper liner (90g/m<sup>2</sup>).

Designed to protect any hygienic sensitive areas, it protects the surfaces for a long time. It easily resists to scratches even in case of application in areas with incessant scraping such as the covering of floors and walls:

*Wet and Hygienically sensitive areas, Hospital patient and treatment rooms, Education rooms, Healthcare (public & private), Pharmaceutical, Industrial, Airports, Railway stations, Retirement homes, Food manufacturing, Fast food, Swimming pools, Stadium, Laboratories, Kitchens and services, Facilities.*

Active variety (ISO 22196): reduction more than 99,99% of microbes (excellent capacity to inhibit growth of a wide range of microbes) combined with good procedures of hygiene and cleaning.

Suitable substrate: Any kind of furniture (table, chair, bed, walls, windows, doors, door knobs,...). It resists to the cleaning procedure for 50 simulated intensive washing cycles for weekly cleaning, 50 weeks of ageing with disinfectant recommended by WHO against "Corona Virus" SARS.

Very good transparency and flatness characteristics.  
Excellent Dimensional stability and enhanced image brightness without a disturbing "silvering effect".

## Shelf Life

2 years when stored in the original packaging between 20°C and 25°C at 50% relative humidity.

## Recommendations for laminating

Please ensure the substrate is perfectly clean before laminating.

## Technical Data

Carrier:	monomeric PVC, highly stabilized, calendered
Thickness:	80 µm      +/- 5 %
Adhesive:	ultra-clear acrylic solvent, permanent
Adhesion:	7 N/cm
Liner:	one-sided clay-coated silicone paper (90 g/m <sup>2</sup> )
Tensile strength md:	>20MPa (DIN EN ISO 527)
Tensile strength cd:	>20MPa (DIN EN ISO 527)
Application temperature:	> +10 °C
Temperature durability:	- 20 - +80 °C
Indoor durability:	3 years
Antimicrobial durability:	3 years

## Standard Dimensions

1370 mm x 50 m

## Safety Data Sheet

When used under normal conditions, this product does not generate or release any dangerous substances or hazardous chemicals. This is a non-hazardous product in accordance with the current GefStoffV and EU criteria. Therefore it is not necessary to prepare a Material Safety Data Sheet for this product. The Safety Data Sheet serves only to comply with the regulation to supply information in accordance with REACH Regulation (EC) No. 1907/2006 and is available on request. This product is not a hazardous product with regards to transportation legislation; neither does it contain substances that are hazardous to water within the meaning of the federal water act. After use, dispose of the waste product in accordance with the local / national authorities.

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16/11/2020

The following technical details are issued to the best of our knowledge, however, without any responsibility. Due to the varied and application-related influences the product liability can only be applied to unprocessed material. Therefore, we highly recommend that before every usage a test should be conducted on the original material.



## TEC LUX 350 HEALTH PROTECT

### Product Information

The efficiency of TECLUX 350 HEALTH PROTECT was tested in an ISO laboratory according to the international standard ISO 22196.

ISO 22196: 2011 specifies the way of evaluating the antibacterial activity of plastic materials which were treated with antibacterial and other porous surfaces of products.

Our antibacterial pvc was studied in order to reduce for 99,99% the microbes, according to good procedures of hygiene and cleaning.

With these tests, we can confirm that TECLUX 350 HEALTH PROTECT resists to:

- Escherichia coli ATCC 8739
- Enterococcus faecalis –ATCC 29212
- Listeria monocytogenes – ATCC 13932
- Klebsiella pneumonia – ATCC 4352
- Staphylococcus aureus – ATCC 6538
- Pseudomonas aeruginosa – ATCC 27853
- Salmonella enteric – ATCC 14028
- Staphylococcus aureus Methicillin resistant – ATCC 33591
- Legionella pneumophila

### Antiviral activity

The antiviral activity of TECLUX HEALTH PROTECT films has been positively tested according to the DESIN-5510 method (based on ISO 27102:2019 and NF EN 14476:2013 and A2:2019 standard guidelines) with the CORONA VIRUS 229 E CROWN ATCC VR-740. Test Report No. D/20/697 from June 22<sup>nd</sup>, 2020 executed by Chimicambiente Laboratorio Di Analisi Chimiche, Este Italy.

TECLUX 350 HEALTH PROTECT offers an antimicrobial durability for 3 years.

It resists to the cleaning procedure for 50 simulated intensive washing cycles for weekly cleaning, 50 weeks of ageing with disinfectant recommended by WHO against “Corona virus” SARS.



**ANTIBACTERIAL  
ANTIVIRAL**

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