

DA||GLASS

nano  
barren ™

DA||GLASS

**WE CHANGE  
THE PROPERTIES  
OF GLASS**



**Nearly 30 years  
of experience in  
craftsmanship of  
highly advanced  
glass technology**

# PORTFOLIO DAGLASS

## TECHNOLOGIES AND PRODUCTS



### **ANTISEPTIC GLASS**

It is produced with the use of magnetron technology.



### **DIAMOND GLASS**

Hydrophobic, resistant to scratching. It is a great choice for partitions, partition walls, and shower cabinets.



### **DIFFUSIVE GLASS**

It scatters the light in a controlled and steady manner, removes shadows, produces more transparency in contact with water.



### **ANTI-REFLECTIVE GLASS**

By changing the glass morphology, this glass increases efficiency of lightning and the light transmission, reduces the reflective glare and makes the glass virtually invisible.



### **NON-GLARE GLASS**

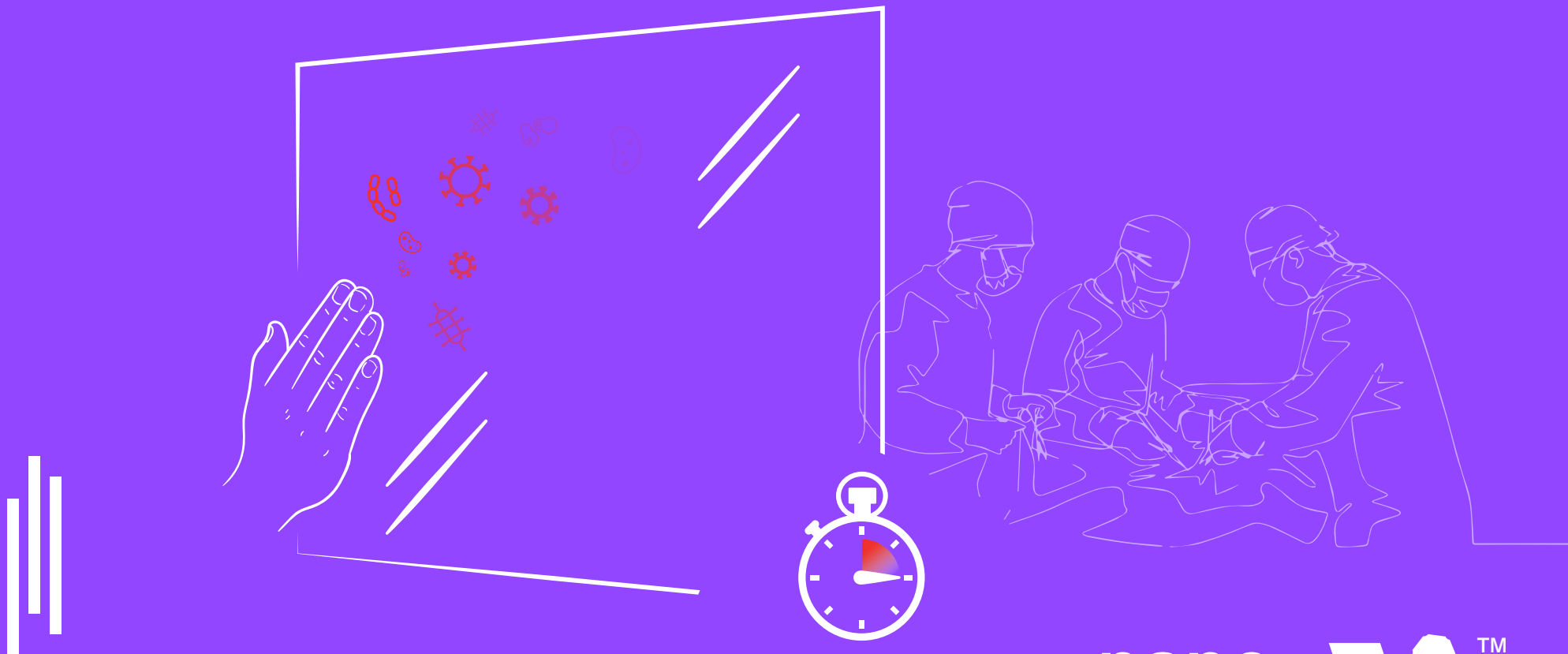
It increases the contrast image of the glass at the same time reduces light reflexes.



### **LAMINATED GLASS**

It protects against injury, ensures the stability in case of breaking, increases the sound insulation and safety of property and individual users.





**NANO-BARREN™ GLASS** is the result of long-term research & development activity. The high vacuum sputtering technology used to produce this type of glass provides high-end nanolayers of the extraordinary features.

**NANO-BARREN™ GLASS** serves as a protective and active shield from any strains of bacteria or fungi, and does not require for its activity UV irradiation.

NANO-BARREN™ GLASS has self-cleaning properties that result from the chemical composition of the nanolayers. It protects both the surface and the user from infection. DAGLASS NANO-BARREN™ technology delivers high level of reproducibility and uniformity and offers full control of nanolayers thickness on sputtered surfaces. The composition of NANO-BARREN™ glass does not contain silver in any form, hence it is completely safe and neutral for the human body.

**nano barren** ™



**CERTIFIED  
PRODUCT**



# ANTISEPTIC GLASS

## NANO-BARREN™ TECHNOLOGY

### Features

- Antiseptic glass of self-cleaning properties, does not require for its activity UV irradiation,
- Light may enhance antiseptic function of the coating, however the pathogens are effectively killed in the dark,
- Hermetic' windows reduce the amount of fresh air inside a building. Filtration systems in air conditioning are not very efficient and not sufficient for hospitals (very high and strict expectations regarding the quality of air),
- Water condensate and flowing down on a surface of a window transports spores, bacteria and dirt towards jamb, which over time starts to be a source of fungi.

Sort of bacteria or fungi	Collection number	Effect
S.aureus	ATCC 6538	bactericidal
E. Coli	ATCC 8739	bactericidal
Bacillus subtilis	ATCC 6633	bacteriostatic
Candida albicans	ATCC 10231	fungistatic
Candida glabrata	ATCC 15126	fungistatic

Based on ISO22196, PN-EN ISO 14347:2005 and PN-EN 13697:2015.

nano  
barren™

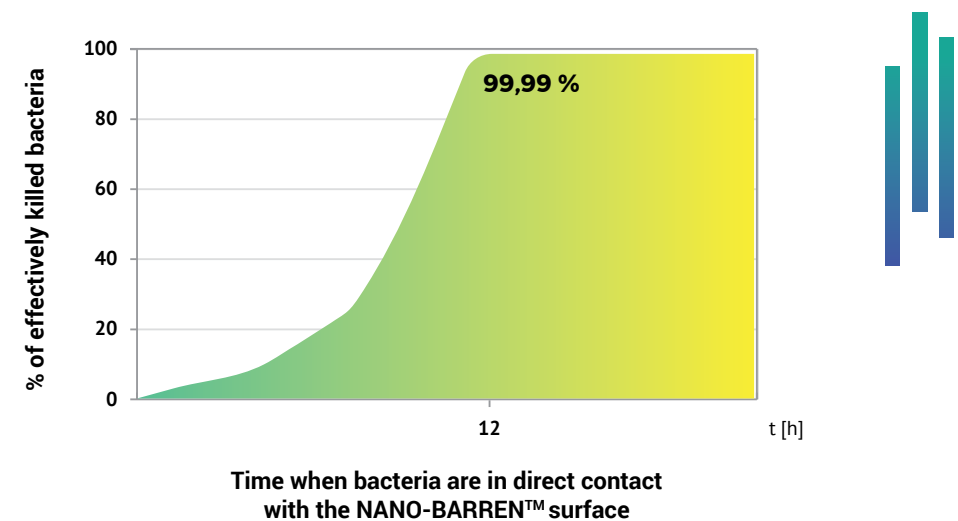


Fig. 2. Microbiological test results of uncoated and coated surface.

**With us you are  
more than safe**

# NANO-BARREN™ TECHNOLOGY

## THE POWER OF IONS AND ELECTRONS



**T0 = 0 hours**



**T1 = 3 hours**



**T1 = 12 hours**



**NANO-BARREN™ coated glass**

The glass has been infected with common touch-borne bacteria.

Pictures show the development of strains over time.

**Uncoated glass**





# Rising hygiene awareness

nano  
barren  <sup>TM</sup>







## ANTISEPTIC GLASS

Lately, we have noticed growing needs for antiseptic applications of glass, interestingly not only in places with the highest sterility of rooms that are hospitals, medical centers, laboratories, but also public buildings such as shopping centers, and our daily environment.

## HIGH INCREASE OF SELLING ANTISEPTIC DETERGENTS

**+64%**

**DETERGENTS**

**+1956%**

**ANTIBACTERIAL GEL**

**+153%**

**SOAP**

Sales figures concern the sales value on the basis of the Nielson Center.



# Applications



nano  
barren ™

nano  
barren ™

## **ANTISEPTIC GLASS**

Extraordinary properties of antiseptic NANO-BARREN coating ensures the highest level of safety for all users. Therefore, we have conducted researches that clearly show the extended lifespan of grocery products, which often go sour quickly. The use of our glass translates into savings for shopping centers and Horeca sector.



**OPERATING  
ROOMS**



**PHARMACY**



**AIRPORTS**



**PUBLIC TRANSPORT**



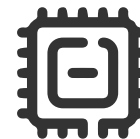
**HOSPITALS  
AND MEDICAL FACILITIES**



**PUBLIC USE  
PLACES**



**LABORATORIES**



**HIGH TECHNOLOGY  
INDUSTRY**





## WALL PANELS

operating panels, laboratories, offices, conference rooms, reception areas, halls, swimming pools and SPA, bathrooms

nano  
barren ™



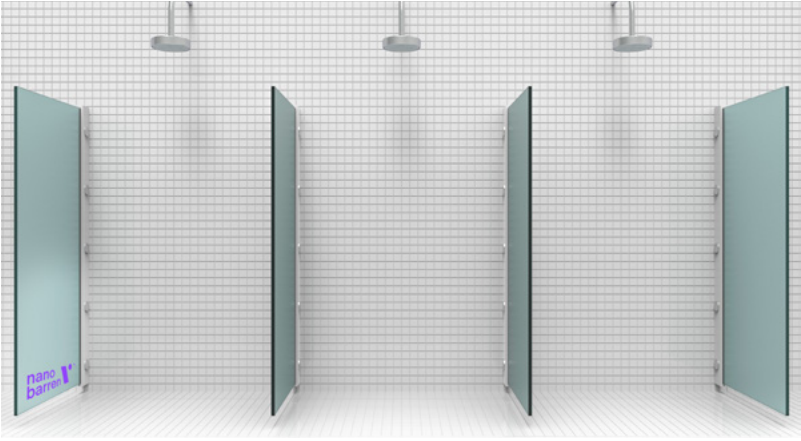
**OPERATING ROOMS**



**DOCTOR'S SURGERIES**



**BATHROOMS**



**SWIMMING POOLS AND SPA**





## SCREENS, WALLS, PARTITION WALLS,

Medical rooms, conference rooms, locker rooms, reception areas, secretaries offices, means of public transport.



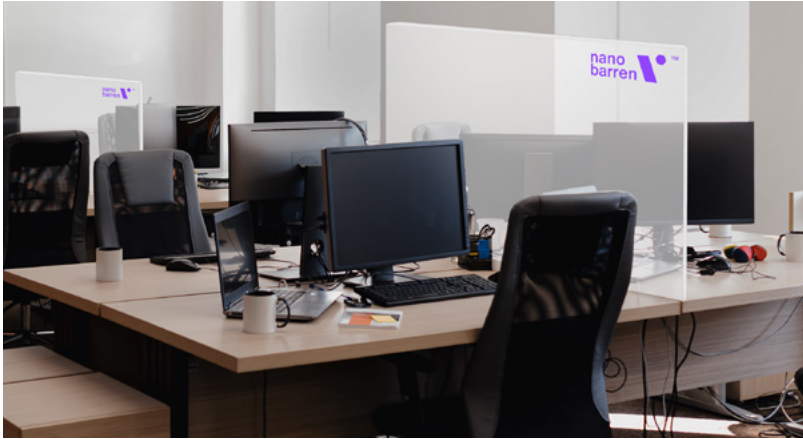




**HOSPITALS**



**PHARMACIES**



**OFFICES**



**PUBLIC TRANSPORT**







## GLASS TABLETOPS & COUNTERS

Medical rooms, surgery rooms, laboratories, reception desks, offices, checkout points, customer service points, shopping stands,

nano  
barren ™





**LABORATORIES**



**DOCTOR'S SURGERIES**



**RECEPTION DESKS**



**CUSTOMER SERVICE POINTS**







nano  
barren™

## SHELVES & LOCKERS

Medical rooms, surgery rooms, pharmacies, grocery shops, shelves in freezers and medical refrigerators

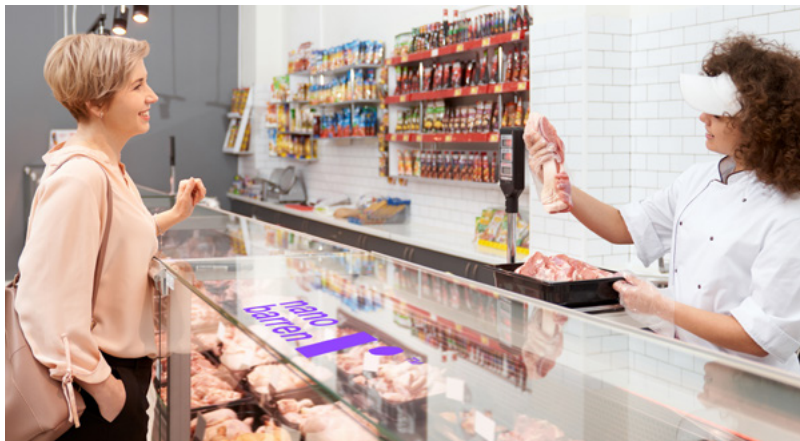




**DOCTOR'S SURGERIES**



**PHARMACIES**



**SHOPPING CENTERS**



**FRIDGES**



# Contact

**DAGLASS Sp. z o.o.**

Innowacyjna 15

36-060 Głogów Małopolski

[info@daglass.pl](mailto:info@daglass.pl)

[www.daglass.pl](http://www.daglass.pl)

