

DA||GLASS

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NANO-BARREN™ Antiseptic Glass

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

DAGLASS PORTFOLIO

DAGLASS

TECHNOLOGIES & PRODUCTS



NANO-BARREN™ ANTISEPTIC GLASS

It is produced with the use of magnetron technology and has antifungal, self-cleaning and biostatic properties.



DIAMOND GLASS

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



DIFFUSED GLASS

It scatters the light in a controlled and steady manner. Therefore, it removes shadows and gives more transparency in contact with water. It is a perfect solution for lightning and greenhouse sector.



ANTI-REFLECTIVE GLASS

By changing the surface morphology, this glass increases the light transmittance. Consequently, it improves the efficiency of lightning and significantly advances the quality of image on screens.



NON-GLARE GLASS

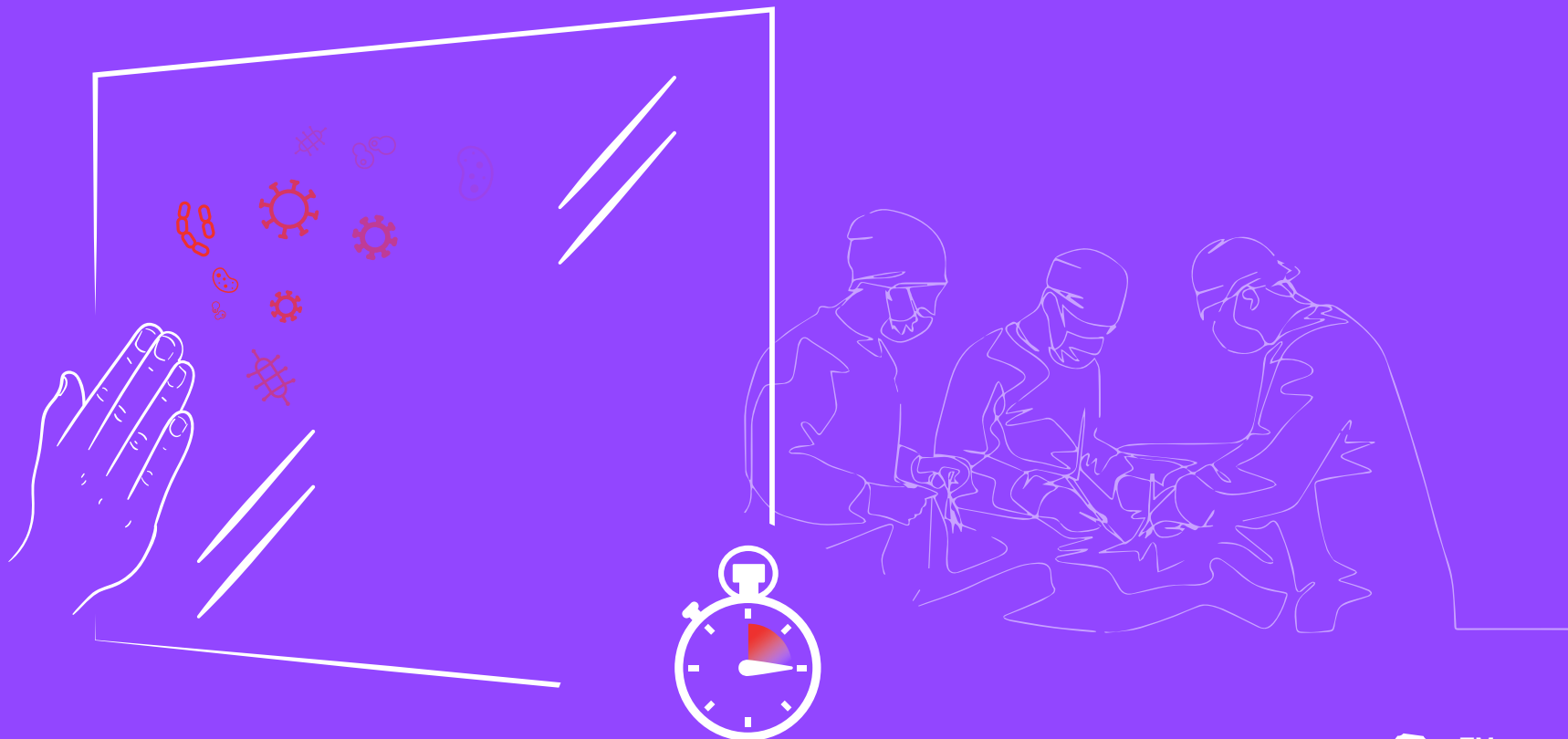
A type of glass with changed morphology in the nano scale. It is suitable for LED screens and LCD screens. The anti-finger print feature makes it an ideal solution for touch screens. It reduces light reflexes and improves the image.



THERMALLY TEMPERED, LAMINATED AND DOUBLE GLAZED GLASS

A wide range of applications in the construction industry.





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 biocidal 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.

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**CERTIFIED
PRODUCT**

ANTISEPTIC GLASS

D4GLASS

NANO-BARREN™ TECHNOLOGY

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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

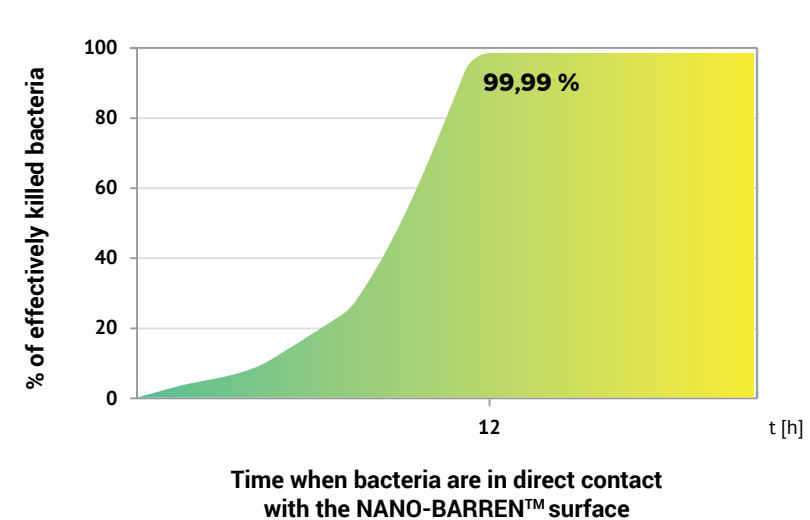


Fig. 2. Microbiological test results of uncoated and coated surface.

**With us you are
more than safe**

NANO-BARREN™ TECHNOLOGY

BIOCIDAL PROPERTIES



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

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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

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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



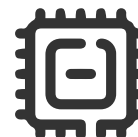
**HOSPITALS
AND MEDICAL FACILITIES**



**PUBLIC USE
PLACES**



LABORATORIES



**HIGH TECHNOLOGY
INDUSTRY**



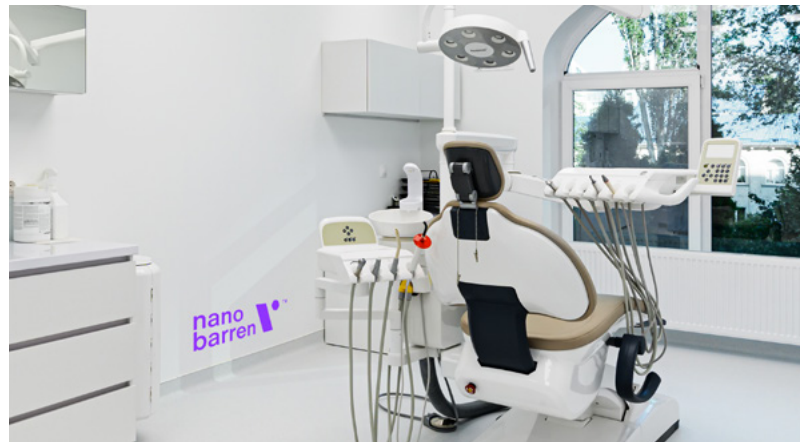
WALL PANELS

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

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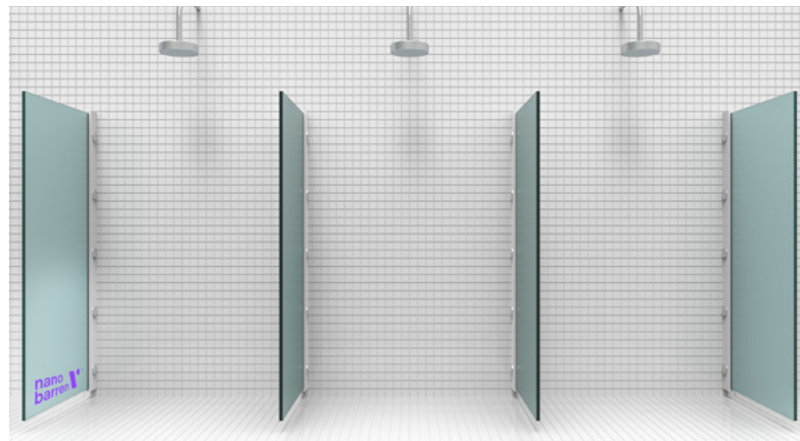
OPERATING ROOMS



DOCTOR'S SURGERIES



BATHROOMS



SWIMMING POOLS AND SPA





**SCREENS, WALLS,
PARTITION WALLS,**

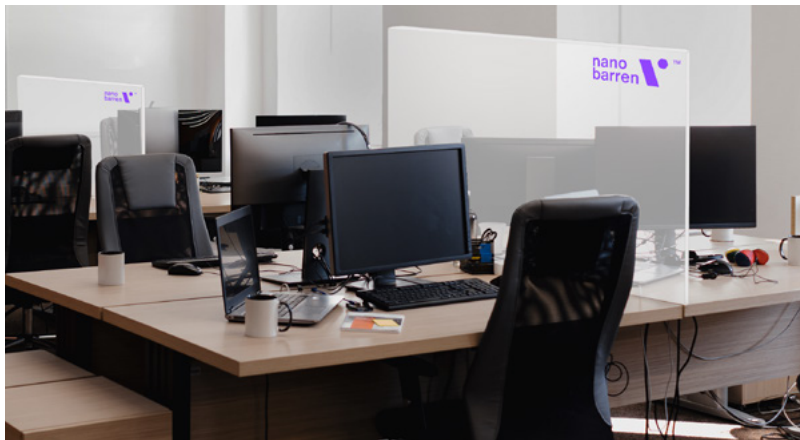
Medical rooms, conference rooms, locker rooms, reception areas, secretaries offices, means of public transport.



HOSPITALS



PHARMACIES



OFFICES



PUBLIC TRANSPORT





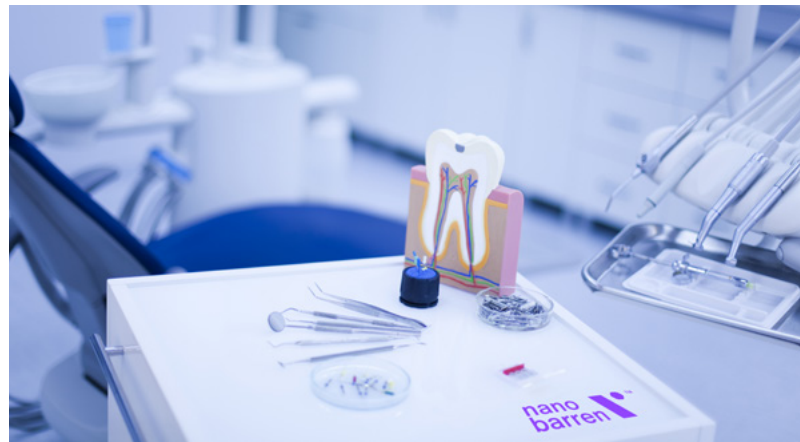
GLASS TABLETOPS & COUNTERS

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

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LABORATORIES



DOCTOR'S SURGERIES



RECEPTION DESKS



CUSTOMER SERVICE POINTS





SHELVES & LOCKERS

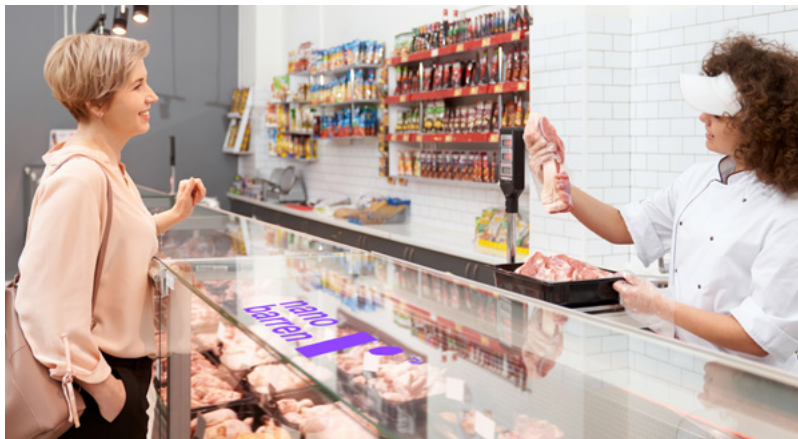
Medical rooms, surgery rooms, pharmacies, grocery shops, shelves in freezers and medical refrigerators



DOCTOR'S SURGERIES



PHARMACIES



SHOPPING CENTERS



PRODUCTION COUNTERS



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