DAGLASS

NON-GLARE
GLASS

WE CHANGE
THE PROPERTIES
OF GLASS

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

DAGLASS PORTFOLIO

TECHNOLOGIES & PRODUCTS

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.

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.

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.

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

NANO-BARREN™ ANTISEPTIC GLASS
It is produced with the use of magnetron technology and has antifungal, self-cleaning and biostatic properties.

THERMALLY TEMPERED, LAMINATED AND DOUBLE GLAZED GLASS
A wide range of applications in the construction industry.

DAGLASS NON-GLARE glass is manufactured in our own etching process. Highly-advanced technological capabilities enable us to change one or two surfaces of the glass, providing uniform, homogeneous surface structure for high resolution application.

NON-GLARE Glass disperses reflected light, allowing the user to focus on the transmitted image. As a result, the perception of the image increases significantly. The NON-GLARE Glass has anti-finger print feature. Therefore, our DAGLASS NON-GLARE glass is available in several etching levels.

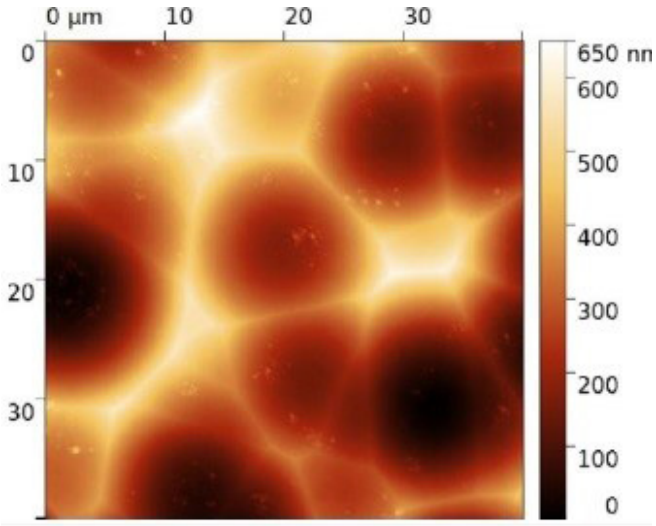
This distinguishes the DAGLASS product from other products of this type on global markets.

CHARACTERISTICS

NON-GLARE GLASS

Chemical etching of the glass surface makes the surface rough on a micrometric scale, as shown in Picture 1.

Non-glare glass has a similar structure to a hill with a typical height of 400-1000 nm. The distance between two hills is typically in the scale of 10 µm. This unique morphology of the glass surface ensures its function – reduction of reflection.



Pic. 1. AFM picture of the NON-GLARE Glass

TYPES OF GLASS

NON-GLARE GLASS

There are two different types of NON-GLARE glass that can be delivered to the customer depending on the final application. They differ in the gloss value measured by the glossmeter.

A glossmeter defines the gloss of a surface at different angles of incidence of light. The higher the gloss value of the NON-GLARE glass, the more transparent the surface is, it reflects more light and therefore the NON-GLARE function is reduced.

DAGLASS uses a glossmeter for gloss measurements, e.g. from 3nh (Picture 2).

Rys. 2 3nh glossmeter for gloss measurements.

TYPES OF GLASS

NON-GLARE GLASS

DAGLASS NON-GLARE glass is available in several etching levels:

60 – 65	This is the highest level of etching reminding the matt glass with very low transparency and high diffusion
70 – 75	The best for picture frames
80 – 100	The best for monitors and TV screens – gloss level to be adjusted to display Type
110 – 130	One recommends the levels combined with Anti – Reflective feature
140	Non treated glass

Sizes available:

Thickness (mm)	Maximum dimensions (length x width in mm)
2	1600 x 1200
3 – 8	2250 x 1620

NON-GLARE Glass applications

NON-GLARE GLASS

As DAGLASS NON-GLARE glass is made with the use of advanced technology, it is perfect wherever high resolution of the displayed image is required. Reduction of unfavorable light reflections, diffusion of the reflected light - these are just some advantages of DAGLASS glass.

NON-GLARE glass is a perfect choice for touch panels - as it has low porosity, we can easily touch the glass screen. This glass also reduces the fingerprints and can be combined with DAGLASS diamond coating.

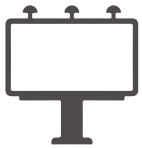
PUBLIC PLACES

EDUCATIONAL INSTITUTIONS

HOSPITALS AND MEDICAL FACILITIES

ELECTROTECHNICAL AND ELECTRONIC INDUSTRY

AUTO & AVIATION INDUSTRY



MULTIMEDIA ADVERTISING SPACES

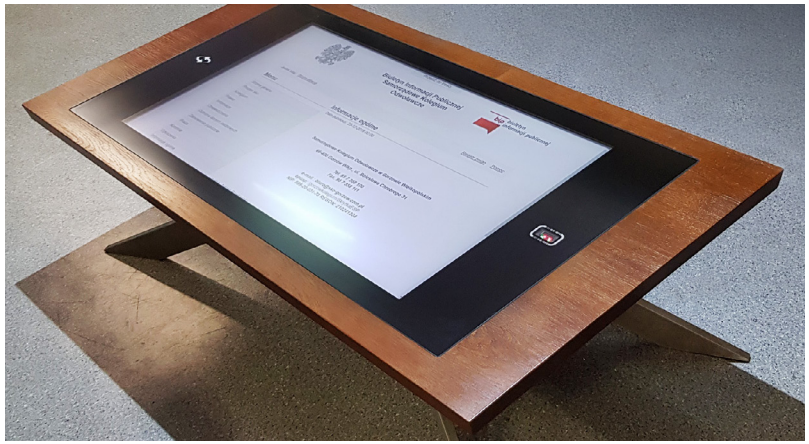
PHOTOVOLTAICS

BANKING SECTOR

APPLICATIONS

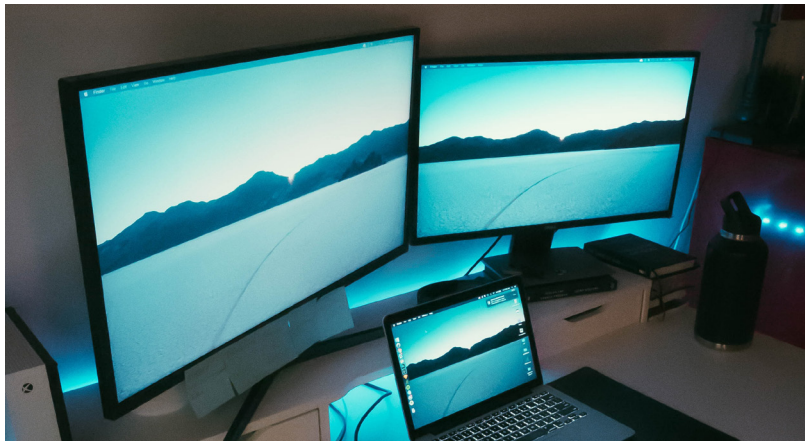
- Screen covers
- Advertising totems
- LCD and LED displays
- Monitor screens
- Advertising panels - large screens
- Touch screens
- Interactive panel and tables
- Self-service checkouts

DAGLASS



INTERACTIVE TABLES

INTERACTIVE KIOSK



MONITOR SCREENS

TOUCH SCREENS

APPLICATIONS

- ATMs
- Medical screens
- Self-service checkouts
- Display panel in cars
- Avionics

DAGLASS

ATMS

AUTOMOTIVE

MEDICAL APPARATUS

SELF-SERVICE CHECKOUTS

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