



DA||GLASS



**NON-GLARE  
Glass**

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

# DAGLASS PORTFOLIO

DAGLASS

## 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.

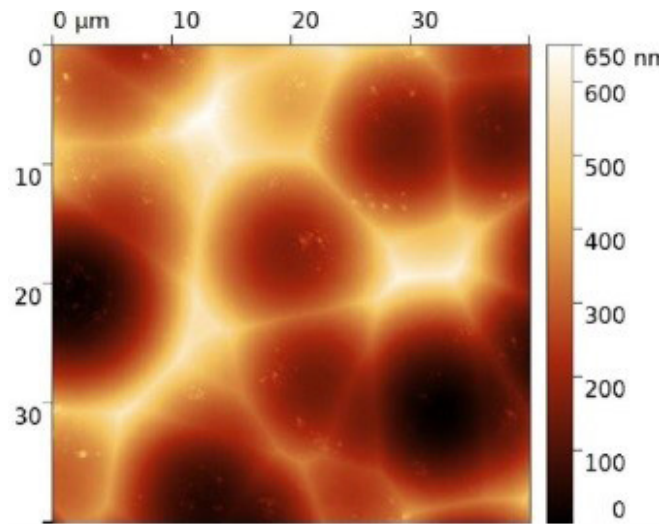
This distinguishes the DAGLASS product from other products of this type on global markets.

# 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  $\mu\text{m}$ . 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:

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

Sizes available:

Thickness (mm)	Maximum dimensions (length x width in mm)
<b>2</b>	1600 x 1200
<b>3 – 8</b>	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**



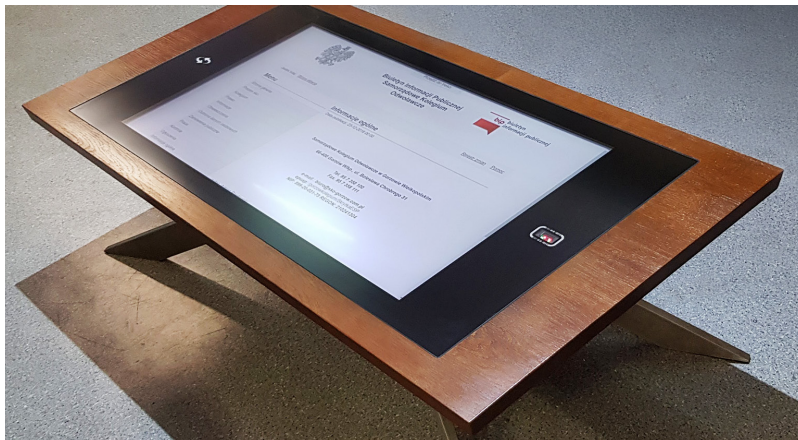
**BANKING SECTOR**



## APPLICATIONS

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





**INTERACTIVE TABLES**



**INTERACTIVE KIOSK**



**MONITOR SCREENS**



**TOUCH SCREENS**





## APPLICATIONS

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

**ATMS****AUTOMOTIVE****MEDICAL APPARATUS****SELF-SERVICE CHECKOUTS**

# Contact

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

Innowacyjna 15 St.

36-060 Głogów Małopolski

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

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

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

Reception

**+48 17 744 93 30**

Sales department

**+48 17 744 93 45**

