

## Glass sandblasting



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**Glass sandblasting** (also known as **matting**) is a mechanical process in which the surface of glass is roughened using a high pressure jet of sand. The abrasive material, i.e. sand, removes the outer surface of glass, which results in visible matting.

This technology lets us produce subtle effects: we can make any pattern, either transparent on a mat pane or the other way round: matted on a smooth pane.

Sandblasting is divided into:

- sandblasting of the entire surface
- segment sandblasting
- pattern matting

Dubiel Vitrum has its own patterns, ready to be used in the production of, e.g. sanded glass doors or mirrors. Per individual request, we can also design special patterns.

Sanded glass is used in a wide range of applications. It is most often used in such projects as:

- glass doors
- partition walls, glassed-in elements, and built-in structures
- glass shelves
- mirrors



- balustrades
- glass interior furnishing elements

At Dubiel Vitrum, glass is sanded in an NC-controlled automatic sandblasting machine or manually.

### Technical terms of reference for glass sandblasting using a sandblasting machine at Dubiel Vitrum

|                      |                                                                                                                                                                                                 |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum glass size   | 3,000 x 2,000 mm                                                                                                                                                                                |
| Minimum glass size   | one of the dimensions must be at least 500 mm                                                                                                                                                   |
| Glass thickness      | 3-30 mm                                                                                                                                                                                         |
| Maximum glass weight | 150 kg                                                                                                                                                                                          |
| Glass shape          | any                                                                                                                                                                                             |
| Glass type           | <ul style="list-style-type: none"><li>• all glass – annealed and tempered</li><li>• etched glass – on the smooth and etched side</li><li>• mirrors – on the smooth and substrate side</li></ul> |

### Sandblasting types

- standard mat
- deep mat (0.3mm, 0.6mm, 1.0mm, 1.5mm)
- semi-mat

semi-mat no. 1, 2, 3, 4 (the greater the number, the weaker the sandblasting)

- shading (smooth transition from full mat to smooth glass)

### Additional technical information

- glass can be shaded as per defined parameters
- high repeatability of the sanded pattern
- sanded glass can be protected against dirt with special varnishes

### Technical terms of reference for manual glass sandblasting at Dubiel Vitrum

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**Used when automatic sandblasting is impossible. Patterns can be used.**

### Sandblasting types

- standard matt
- coarse-grained mat

### Maximum glass size for standard mat

1,500 x 1,000 mm

### Maximum glass size for coarse-grained mat

- 1,500 x 1,000 mm – good mat quality
- 2,000 x 1,500 mm – low mat quality
- 2,500 x 7,00mm – low mat quality

### Minimum glass size

no limits

### Glass thickness

from 2 mm – to the thickest glass (no limits)

### Maximum glass weight

50 kg

### Glass shape

any

### Glass type

- all glass – annealed and tempered
- etched glass – on the smooth and etched
- mirrors – on the smooth and substrate

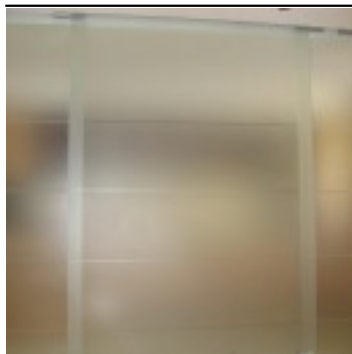


[2]

## Glass sandblasting

Published on Dubiel Vitrum - lustra łazienkowe, na wymiar, szkło bezpieczne, hartowanie szkła, obróbka, ściany szklane (<http://dubielvitrum.pl>)

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[3]



[4]

**Source URL:** <http://dubielvitrum.pl/en/offer/special-glass/products/glass-sandblasting.html>

### Links

- [1] [http://dubielvitrum.pl/sites/default/files/styles/duze\\_800/public/piaskowanie.jpg?itok=llC1F6N2](http://dubielvitrum.pl/sites/default/files/styles/duze_800/public/piaskowanie.jpg?itok=llC1F6N2)
- [2] [http://dubielvitrum.pl/sites/default/files/styles/duze\\_800/public/winda\\_1\\_0.jpg?itok=HQj2bEKr](http://dubielvitrum.pl/sites/default/files/styles/duze_800/public/winda_1_0.jpg?itok=HQj2bEKr)
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- [4] [http://dubielvitrum.pl/sites/default/files/styles/duze\\_800/public/dscf1676\\_0.jpg?itok=lsSaonx5](http://dubielvitrum.pl/sites/default/files/styles/duze_800/public/dscf1676_0.jpg?itok=lsSaonx5)