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 Vitru

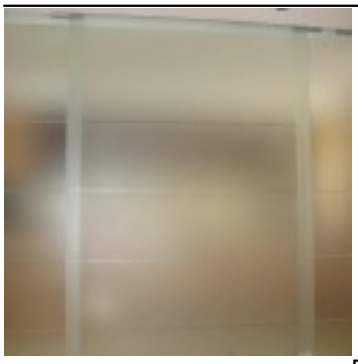
Maximum glass size	3,000 x 2,000 mm
Minimum glass size	one of the dimensions must be at least 500 mm
Glass thickness	3-30 mm
Maximum glass weight	150 kg
Glass shape	any
Glass type	• all glass – annealed and tempered • etched glass – on the smooth and etched side • mirrors – on the smooth and substrate side
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 sandbla
Additional technical information	• shading (smooth transition from full mat to smooth glass) • glass can be shaded as per defined parameters • high repeatability of the sanded pattern • sanded glass can be protected against dirt with special varnishe

Technical terms of reference for manual glass sandblasting at Dubiel Vitrum

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 etch • mirrors – on the smooth and substrate


[2]



[3]



[4]

Source URL: http://dubielvitrum.pl/en/offer/construction-glass/products/glass-sandblasting.html

Links
[1] http://dubielvitrum.pl/sites/default/files/styles/duze_800/public/img_1296-edit.jpg?itok=3R09x84r
[2] http://dubielvitrum.pl/sites/default/files/styles/duze_800/public/winda_1.jpg?itok=0rtWTyfY
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