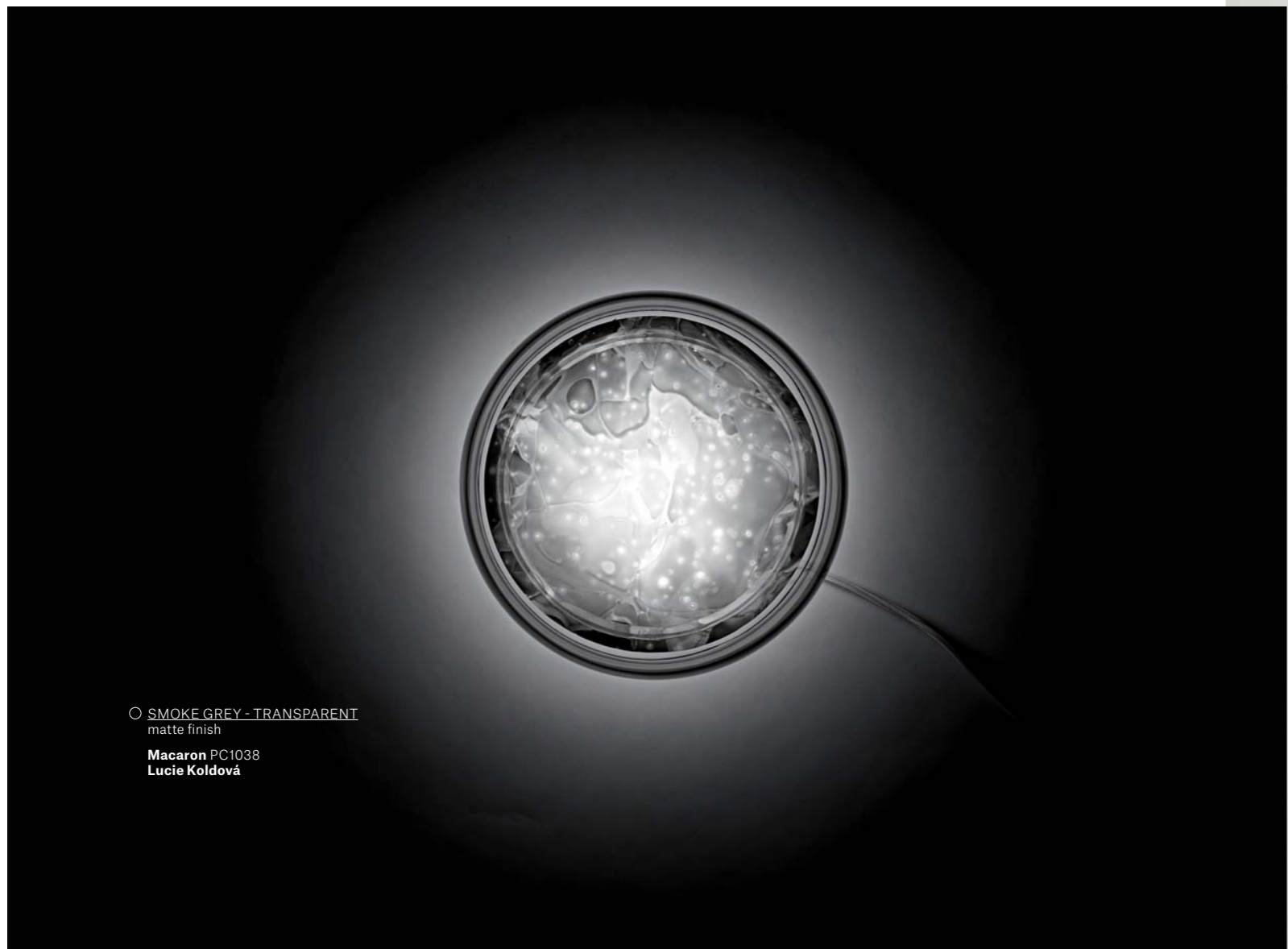


BROKIS

BROKISGLASS
A new dimension in glass





○ SMOKE GREY - TRANSPARENT
matte finish
Macaron PC1038
Lucie Koldová



○ TRIPLEX OPAL
matte finish
Fragment table PC1026
Lucie Koldová



○ LIGHT PINK - TRIPLEX OPAL
glossy finish



○ TRIPLEX OPAL
matte finish
Custom light fitting



○ TRIPLEX OPAL
matte finish

Fragment table PC1026
Lucie Koldová



BROKISGLASS
A new dimension in glass

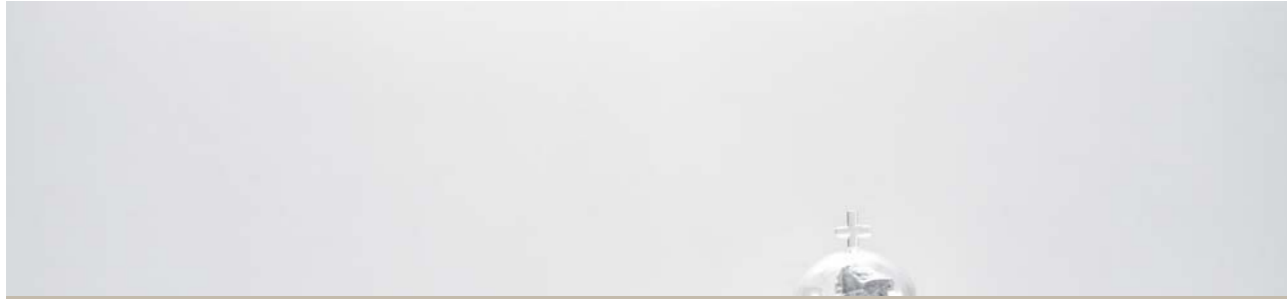


BROKIS

ECOLOGICAL
AESTHETIC
ECONOMICAL

The ecological practices of the Brokis brand have led to the creation of **BROKISGLASS**, an entirely new and unique material made of glass shards. It brings a new dimension and aesthetic to glass and its application in architecture, construction, and interior and product design. Because the decorative panels of **BROKISGLASS** comprise glass shards created in the glassworks during the production of glass lighting, they represent an ecological and efficient recycling method.

The technology was developed in the Czech Republic at the Janštejn Glassworks, where glass components are handblown for the designer lighting brand Brokis.



Production process

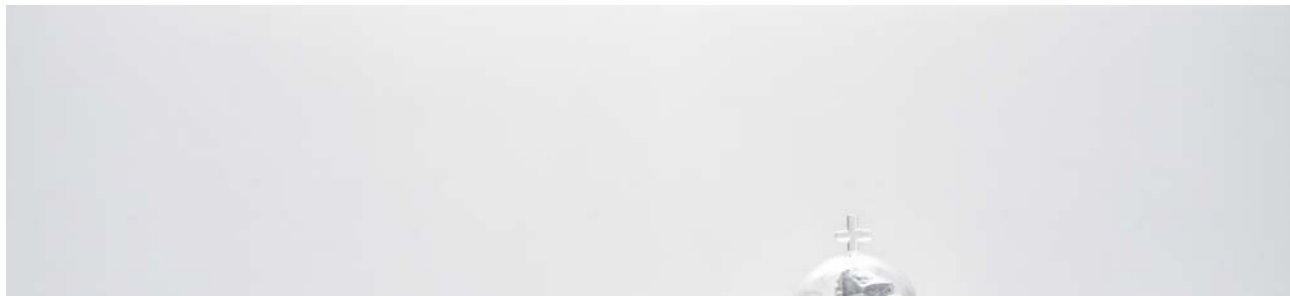
Glass shards from the initial mould are crushed to the required size and then reshaped through controlled thermal exposure into a compact material with special properties. The process gives rise to an innovative product, large-format decorative glass-crystaline panels, marketed under the brand name BROKISGLASS. Its unique properties span the entire spectrum of comparable building materials such as stone, ceramic, and synthetic composites.

Characteristics

- *flat (panel) format*
- *minimal absorptiveness*
- *highly resistant to water and aggressive chemicals*
- *easy-to-clean surface*
- *highly resistant to wear*
- *highly resistant to odour absorption*
- *unmistakeable structural colouration*
- *100% safe and environmentally friendly*
- *waste from panels can be fully recycled by the producer*

Architectonic appointments

The ideal space for the application of BROKISGLASS are living and technical interiors. The organic characteristics of the material are especially apparent in combinations with metal or wood. The panels make it easy to maintain surfaces subjected to intensive wear. Because they are highly resistant to odour absorption, they are especially beneficial in common interior spaces. An important architectonic aspect and advantage of the material is that it can be illuminated.



Colour variability

Thanks to the original formulas used in melting Janštejn glass and the compatibility of its individual types and colours, there are nearly endless varieties of colour combinations. The structural appearance of BROKISGLASS is determined by the size of the shards, the intensity of their colouration, and last but not least by the randomness of their placement within a given panel. The material is handcrafted, which by its very nature may cause colour deviations.

The customer can request:

- *unconventional colours*
- *specific colour combinations*
- *custom production*

Panel sizes

The standard thickness of the panels is 6 to 8 mm. The technology allows for the production of panels in sizes of 350 x 600 mm and 590 x 590 mm. Other sizes and thicknesses can be made to order. By choosing the correct production process, widths of 25 to 50 mm can be achieved. Smaller sizes and other formats and shapes are created by cutting individual panels with a waterjet. Holes of various diameters can be drilled anywhere in the panels, and any shape can be cut into them.

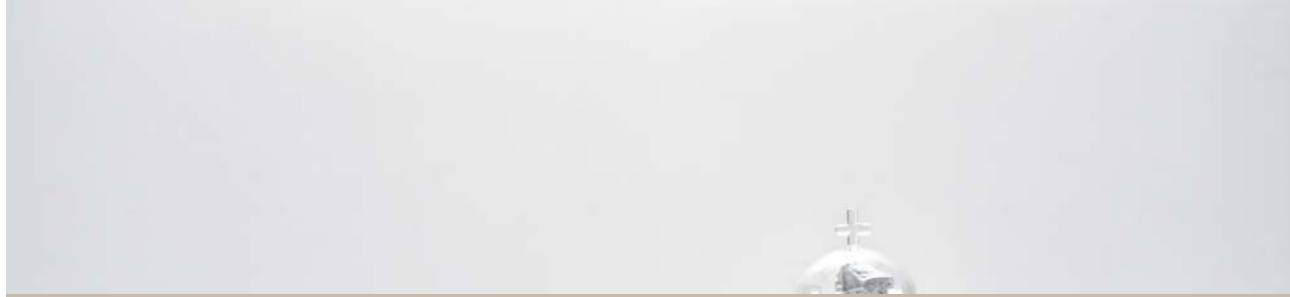
Modifications and finishes

- *smooth, glossy face surface (standard production)*
- *deburring of cut edges*
- *polishing of deburred edges*
- *bevelled edges 2–3 mm*
- *non-right cuts and cutouts using waterjet*
- *grinding of traditional ornaments for decorative glass*
- *sandblasting (full surface or decorative)*
- *matte finish*
- *panels can be curved within a limited radius*

The panels can be easily cleaned in any application using plain water or water with ordinary detergent. Graffiti can be removed with solvents suited to the particular type of synthetic paint used. Abrasive scouring powders are not recommended.

BROKISGLASS applications

- *exterior and interior wall cladding*
- *illuminated exterior and interior wall cladding*
- *interior fittings and garden architecture*
- *large-format colourful artistic mosaics*
- *various decorative appointments*



Interior applications

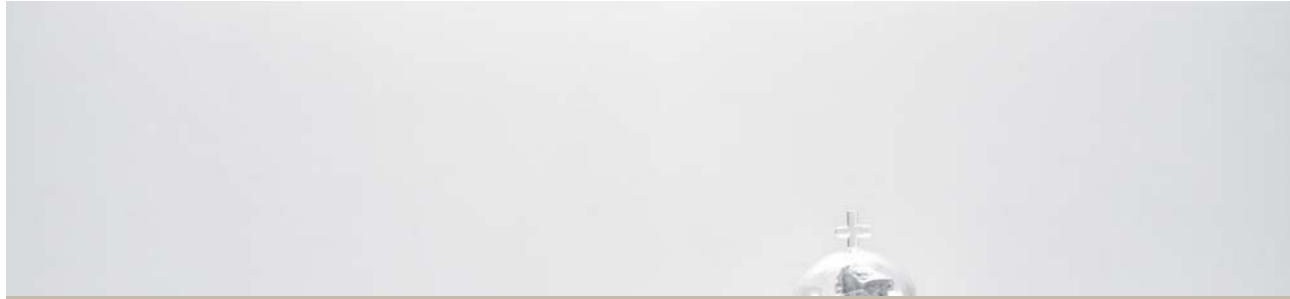
- can be used as general interior cladding in common and technical spaces, offices, and flats
- illuminated interior cladding in living spaces (kitchens, bathrooms, hallways, etc.)
- interior cladding for industrial buildings (laboratories, spaces with exposure to aggressive chemicals, food production facilities, veterinarian clinics, hospitals)
- common spaces requiring indirect lighting (hotels, lobbies, passages)

Exterior applications

- exterior large-format wall cladding
- glassed-in outdoor spaces (atriums, pergolas, etc.)
- garden and cemetery architecture (translucent dividing walls, garden tables, grave markers)

Installation methods

- prefabricated systems with mechanical anchors on supporting grid (with either invisible or visible anchors)
- installation on insulated and ventilated surfaces
- installation in frames
- gluing onto flat surfaces
- vertical and horizontal installation



Final word

I'm pleased that after eight years of hard work in research and testing we can finally introduce our new product, BROKISGLASS, which has been created thanks to the joint efforts of the employees at the Janštejn Glassworks and Brokis. The primary goal was to find another use for leftover glass shards and thus help the environment through real and substantive recycling. A positive relationship with the environment is one of the top priorities of our company.

I'd like to thank all the employees of both companies who contributed to the development and testing of the new product. Special thanks go to Irena Czepcová, who, from the very beginning, has played a key role in the development of the new product.

Jan Rabell





○ LIGHT PINK - TRIPLEX OPAL
glossy finish
Fragment table PC1026
Lucie Koldová



○ TRIPLEX OPAL
matte finish
Custom light fitting



○ SMOKE GREY - TRANSPARENT
glossy finish
Fragment tables PC1026 / PC1024 / PC1025
Lucie Koldová

Colours



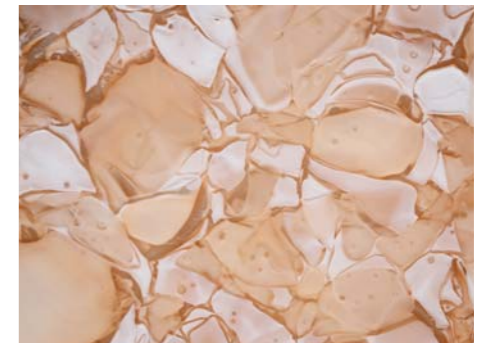
○ TRIPLEX OPAL
glossy finish



○ SMOKE GREY - TRANSPARENT
glossy finish



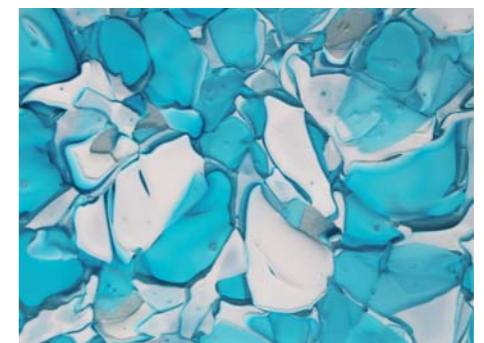
○ SMOKE GREY - TRIPLEX OPAL
glossy finish



○ LIGHT PINK - TRIPLEX OPAL
glossy finish



○ SMOKE BROWN - TRANSPARENT
glossy finish



○ TURQUOISE - TRIPLEX OPAL
glossy finish

Contact

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