



sedak

the potential of glass

3.100 units for The Henderson
flat & curved glass

sedak

maximizing the potential of glass for The Henderson

The Henderson, an architectural masterpiece in Hong Kong, embodies Zaha Hadid Architects' dedication to redefining contemporary design, seamlessly merging sculptural elegance with pioneering construction techniques. The project exemplifies the transformative use of glass, maximizing its material potential to create a dynamic façade.

sedak proudly supplied over 3,100 bespoke glass units, integral to both the façade and interior of The Henderson.

The building's façade is a testament to precision glass engineering, employing cutting-edge technologies to fulfill both aesthetic and structural demands. This complex project required producing a vast array of custom glass elements in unique shapes.

Each panel underwent meticulous inspection by **sedak** to ensure flawless alignment with the architectural vision, maintaining the highest standards of quality.

Innovative glass bending techniques were essential to realize the echoing organic form of the known as Hong Kong orchid tree.

sedak utilized multi-curvature and 3D bending, along with gravity-bending methods, to achieve seamless free-form curves.

Bespoke coatings, including full-surface and gradient highly mirroring ones, were used to meet the complex visual and performance requirements of the design.

1.019

flat glass units

926

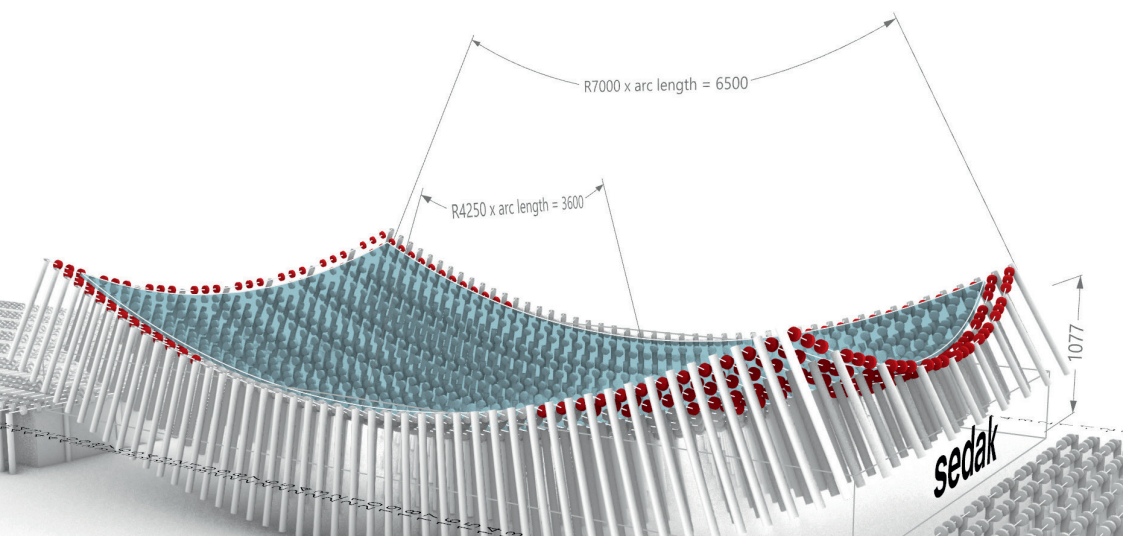
single-curved
façades glass units

650

double-curved
façades glass units

41

hot-bent laminates
for the interior

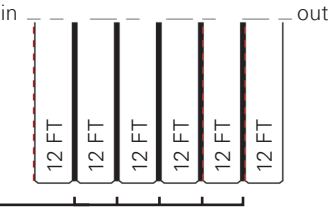


sedak's furnaces can bend glass into double-curved geometries up to 3.6 m x 6.5 m and cylindrical shapes up to 3.6m x 18m, with various radii.

sedak

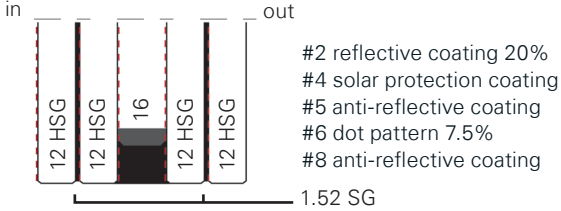
highlight glass in the tower façade

banquet hall I laminate
curved glass
max. format 7.2m x 2.1m



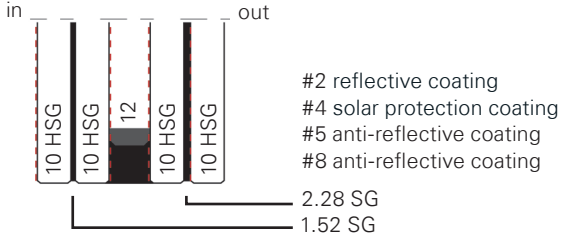
#2 reflective coating 20%
#4 reflective coating 20%
#12 anti-reflective coating

roof glazing I IGU
cylindrical curved glass
max. format 3.6m x 1.4m



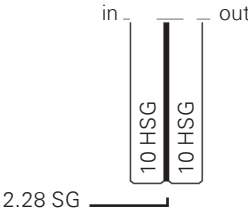
#2 reflective coating 20%
#4 solar protection coating
#5 anti-reflective coating
#6 dot pattern 7.5%
#8 anti-reflective coating

curtain wall I IGU
flat & curved glass
max. format 5.2m x 2.1m

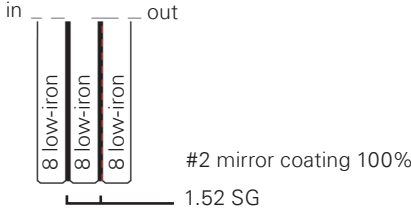


#2 reflective coating
#4 solar protection coating
#5 anti-reflective coating
#8 anti-reflective coating

skygarden I laminate
bottle-shaped glass, single-curved
max. format 1.9m x 2.9m

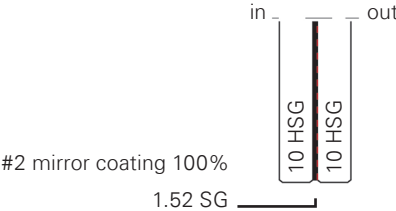


interior wall belly I laminate
curved annealed glass



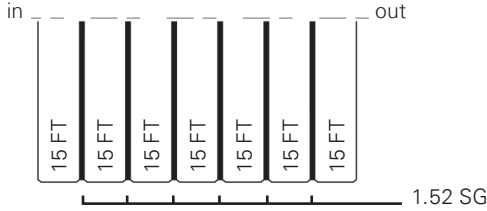
#2 mirror coating 100%

lobby glass ceiling I laminate
single- & double-curved glass
max. format 5.2m x 2.1m



#2 mirror coating 100%

lobby glass wall I laminate
flat & curved glass
max. format 10.9m x 2.1m





our motto: leading glass

sedak is a pioneer in glass refinement and is known for its exceptional production capabilities, redefining glass applications.

With state-of-the-art machinery and a great passion for glass, **sedak** stands for unparalleled quality and maximum formats of 3.6m x 20m – both flat & curved.

sedak has advanced the use of glass as a construction material for all-glass façades and roofs. Iconic façades and buildings are created with an unprecedented degree of accuracy, thanks to the superior quality of its innovative products.

Always following the company's motto: leading glass.

sedak GmbH & Co. KG

Einsteinring 1 | 86368 Gersthofen | Germany

info@sedak.com

