

SFL.glass

GLASS WITHOUT LIMIT



GLASS TECHNOLOGY @SFL

SFL was founded in 1988 and currently employs 500 collaborators in locations in Austria, Hungary and Romania.

The glass-technology-center of SFL was founded in 2010 and is located in St. Marein im Mürztal. SFL offers a wide product range including high quality bended, solidified or surface-coated glass products and systems for interior and exterior use.

Nine bending furnaces and other innovative glass coating systems refine glass formats of up to 6,0 x 3,2 meters (19,7 x 10,5ft.). With the chemical toughening process in one of the largest facilities 7,1 x 2,4 x 3,6 meters (23,3 x 7,9 x 11,8 ft.) worldwide, SFL is able to offer a flexural strength of up to 500MPa. SFL with its glass-technologies is striving to custom make high quality facades and singular products.

SFL supports executing companies such as facade construction contractors, partition manufacturers, carpenters etc. in consultation, planning, sampling, implementation and production. SFL also collaborates with expert planners, architects and designers to create aesthetic, unique and outstanding glass products. SFL works independently of other glass production and coating companies by drawing on own expertise and the vast repertoire of glass-processing methods, which are constantly innovated within the company.

2016 SFL has co-founded the 1st research center for thin-glass (thickness <3mm), the Josef-Ressel-Center, which is located at the Science-Tower in Graz

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SHAPED

BENT GLASS

SHAPED is curved glass created through thermal forming of flat glass. In the gravitational bending process the base glass is heated to close to its softening point (approx. 600 °C), shaped on concave or convex bending moulds and then cooled under controlled conditions. The base glass is float glass compliant with EN 572, in clear, colourless (= low iron oxide), bronze, grey, pink, green or blue colours. The individual bending technology enables the high optical quality of SHAPED.

DIMENSIONS AND SHAPES

SHAPED can be produced in varying shapes in the following maximum dimensions:

Max. dimensions: 3.210 mm x 6.000 mm
Max. arch rise: 1.800 mm
Min. radius: 50 mm

TRANSFORMED PRODUCTS

SHAPED is a single-pane glass and can be further processed to SAFE-LAMINATED, SAFE-CTG (chemically toughened glass) or ECO-INSULATED (multi-pane insulating glass). Further processing depends on the base glass used (float clear, colourless, solid- coloured and/or coated), the shaping geometry and the additional functions demanded, such as safety, protection from heat and sun, or noise dampening. Additional later DÉCOR-COATED colour coatings and matt surfaces through sandblasting, for instance, are also available.

APPLICATIONS

SHAPED is suited for many interior and exterior applications, e.g.:

- façade glazing, windows
- elevator glazing
- winter gardens
- partitions, balustrades
- display cabinets, counters

NOTE

SHAPED is not generally a regulated building product. This means that building regulatory requirements governing a specific application must be coordinated with the relevant building supervisory boards. Based on many years of project experience, SFL can meet all building regulatory requirements.



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DE SFL wurde im Jahr 1988 in Graz gegründet. Heute beschäftigt die SFL-Gruppe 500 Mitarbeiter an Standorten in Österreich, Ungarn und Rumänien in acht verschiedenen Fachbereichen.

Das Glas-Technologie-Zentrum in St. Marein im Mürztal entwickelt, plant und produziert Gläser nach Kundenwunsch - vor allem Biegen, Formen und Härten von grossformatige Gläser 6 x 3,21m werden als Speziallösungen für Innen- und Aussenanwendungen wie Fassadenbau, als Glaswände und Yachtverglasungen angeboten.

EN SFL was founded 1988 in Graz, AUSTRIA. Today SFL-group employs 500 people in Austria, Hungary and Romania which are working in eight different fields of expertise.

The glass-technology-center located in St. Marein is developing, planning and producing customized glasses - bending, shaping and toughening of larged-scaled glasses up to 6 x 3,21m for indoor as well as outdoor applications like facades or glass-wall or as yachting-glasses are offered. With the chemical toughening processing, SFL is operating the largest facility in Europe.