

Saint-Gobain EGlass is a Revolutionary New Type of Glass That Offers a Wide Range of Opportunities.



**Gostiny Dvor
Culture & Commercial Centre
Moscow, Russia**

Originally constructed at the end of the 18th century, with roof glazing in 1999. SGG EGLAS, made with Super Spacer®, is used as a snow melter for the glazed roof in order to let in the maximum amount of natural light.



**Offices of Fortum
Energy Production Company
Vantaa, Finland**

The large curtain walling realized in ordinary triple glazing caused such a convection flow that people working at the ground level were permanently sick. No convector, radiator or other heating system could eliminate the humidity and discomfort caused by the windows.

Since the glass was restored in 1998, with SGG EGLAS units made with Super Spacer, the building occupants have declared to be so satisfied with the heatable glass that Fortum has decided to replace other glasses in various buildings.



**Karolinska Sjukhuset
Hospital**

Solna, Stockholm in Sweden

SGG EGLAS, made with Super Spacer, was chosen to be a comfort and heating source, to take the draft away and to achieve the best possible indoor climate. SGG EGLAS is the only heat source used in the above corridor.

SGG EGLAS is an electrical heatable double glazed unit. Installed in a window, this glass provides total comfort by preventing cold areas close to the glazing and also preventing condensation. It can also act as a totally separate heating source, thus enlarging the living area.

In very snowy areas, SGG EGLAS provides an efficient solution to removing the snow from overhead glazing. It can be used in a wide range of applications: picture windows, windows in swimming pool areas, shop fronts, facades, glazed terraces, etc.

SGG EGLAS is the name of a family of electrically heatable glasses. The basic technology involved is a double-glazed unit comprising an SGG EKO LOGIK low-emissivity coated glass, which is connected to an electricity supply via electrodes on the sides of the glass.

When the power is switched off, SGG EGLAS behaves like a high-performance enhanced thermally insulating glass. When the power is switched on, the SGG EKO LOGIK low-emissivity coating converts electrical power into heat, thus providing a much more consistent temperature or even heating the room. As a result of the low-emissivity property of the glass, most of the electrical power is used to heat the inner pane.

Window heating is suitable for all kinds of destinations with large glass surfaces: small houses and office buildings, public buildings and spas, separate dining-corners or large glass walls and rooms with luminated ceilings. Warm glass surfaces remove the problems of low surface temperature in windows; they remove the cold draft, prevent the steam forming on the glass surface, melt snow and ice from the outer surface (glass turned to outside) and eliminate the thermal loss through the glass. A comfortable indoor climate is created with the heatable glasses.

A heated window is also a part of the heating system of a building. Thermal comfort in a room with heatable glass is higher than in a room with traditional glass. The uncomfortable window draft vanishes when all the surfaces in the room are in the same level. There is no need for radiators under the window and, therefore, more room space will be left in use and the amount of natural light can be increased. Room temperatures can also be decreased without loss in comfortability.

SGG EGLAS heatable glass units are double or triple insulating glass units that can be combined with several special features: sun protection, laminated safety glasses, super insulating properties, sound protection, etc...

**Visit the Edgetech stand—
A44 in hall 17—at Glasstec in
Düsseldorf, Germany,
November 9-13, to see further
examples of heated glass and
Super Spacer®.**



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