

# SGG VARIO®



## Description

The European Technical approval (ETA 10-0362) which was awarded at the end of 2010 stands for more than 15 years of successful international practical applications.

The VARIO-Elements are only mechanically fixed back to the facade construction by means of the integrated anchors and a threaded restraint. The glass is pressed against the inner gasket. The outer seal is achieved – as with conventional SSG glazing – by means of a flush-faced permanent weatherseal. Visible glass restraints or cover plates can be omitted without substitute.

The VARIO Insulating glass system is basically suitable for every transom-mullion subframe which has CE certification, and is an economical solution for facades, entrances and skylights. The consequential flush-faced system avoids disturbing dirt residues from dripping rain water and greatly simplifies cleaning and maintenance.

## Performances

The elegant appearance is enhanced by the standard use of black stainless steel spacer bars. These spacer bars are also warm-edge technology and reduce the thermal bridges at the edge of the unit. The highest of requirements in modern architecture for insulation and solar control can be achieved using a variety of glass combinations. Even triple glazed VARIO is available.

An additional advantage is the improvement of the acoustic insulation by means of the constructive decoupling of the individual sheets compared to conventional glazing. E.g. the VARIO standard composition of 8/16/6 with RW of 39 dB proven. Normal insulating glass with 8/16/6 achieved only 37 dB, - that is 2 dB less noise reduction.

VARIO S-FOR and VARIO DZ fulfill the requirements of ETAG 002 by using a safety restraint integrated into the edge of the outer sheet. The perfect all-glass appearance remains intact.

## **Application**

VARIO is a ready-to-install insulating glass system where the inner sheet is bonded to the outer sheet with the precision of classical SSG technology. In addition, glass-integrated mechanical restraints and safety anchors are included which are required to simply connect the units back to the support structures.

Particular statutory requirements are applicable to such constructions.

VARIO DZ or even VARIO II is an integral part of the system. VARIO DZ is the only product which has a totally flush outer surface - undisturbed by external mechanical restraints and one which remains economical.

The advantages:

- Polygonal facades are possible
- Large sizes up to 2500 x 5000 mm
- Depending on the system of the facade also approved as barrier glazing up to 2500 x 3800 mm

The VARIO building elements can be used without restriction as either Type I or Type II of the ETAG 002, in accordance with the individual country requirements, with the facade systems VISS SG and VF 50 RR SG.