

## Acoustic Test Standards Related to Laminated Glass

Saflex® and Vanceva® brand polyvinyl butyral (PVB) interlayer products are tested and analyzed the use of global consensus standards. The data is constantly being updated for various laminated glass configurations. The details of testing and single number reports of OITC, Rw and STC values can be found on [www.Saflex.com](http://www.Saflex.com).

Saflex Clear (R series), Saflex Acoustic (Q series), Saflex Storm (DM|HP and VS) as well as Saflex Structural, Saflex Solar and Vanceva color products have been evaluated using the practices and specifications outlined in one or more of the following standards:

### ASTM International ([www.astm.org](http://www.astm.org))

ASTM E90 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements<sup>1</sup>  
(latest version 2016 re-approval of 2009)

ASTM E413 Classification for Rating Sound Insulation<sup>1</sup>  
(latest version 2016)

ASTM E1332 Standard Classification for Rating Outdoor-Indoor Sound Attenuation (latest version 2016)

### International Organization on Standardization ([www.iso.org](http://www.iso.org))

ISO 10140-1:2010 Acoustics -- Laboratory measurement of sound insulation of building elements -- Part 1: Application rules for specific products

ISO 10140-2:2010 Acoustics — Laboratory measurement of sound insulation of building elements — Part 2: Measurement of airborne sound insulation

ISO 10140-4:2010 Acoustics — Laboratory measurement of sound insulation of building elements — Part 4: Measurement procedures and requirements

ISO 717-1:2013 Acoustics — Rating of sound insulation in buildings and of building elements — Part 1: Airborne sound insulation

ISO 16940:2008 Glass in building — Glazing and airborne sound insulation — Measurement of the mechanical impedance of laminated glass

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The data presented is derived from samples tested. Results are not guaranteed for all samples or for conditions other than those tested. Data and its respective measured, calculated or estimated single number ratings is for glass panels only – glazing installed in frames may differ significantly in performance.

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