Acoustic Test Standards Related to Laminated Glass

Saflex® and Vanceva® brand polyvinyl butyral (PVB) interlayer products are tested and analyzed through 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.

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)

- ASTM E90 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements[1] (latest version 2016 re-approval of 2009)
- ASTM E413 Classification for Rating Sound Insulation[1] (latest version 2016)
- ASTM E1332 Standard Classification for Rating Outdoor-Indoor Sound Attenuation[1] (latest version 2016)

International Organization on Standardization (www.iso.org)

- ISO 10140-1 Acoustics[2] -- Laboratory measurement of sound insulation of building elements -- Part 1: Application rules for specific products
- ISO 10140-2 Acoustic[2]s — Laboratory measurement of sound insulation of building elements — Part 2: Measurement of airborne sound insulation
- ISO 10140-4 Acoustics[2] — Laboratory measurement of sound insulation of building elements — Part 4: Measurement procedures and requirements
- ISO 717-1 Acoustics[2] — Rating of sound insulation in buildings and of building elements — Part 1: Airborne sound insulation
- ISO 16940 Glass in building[2] — Glazing and airborne sound insulation — Measurement of the mechanical impedance of laminated glass

1 – ASTM International www.astm.org
2 – International Organization on Standardization www.iso.org

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