

Infinity Floor SPC Flooring

Acoustic Performance Test Summary

Infinity Floor has conducted independent third-party testing to evaluate the acoustic performance of its SPC flooring products. The tests adhered to ASTM standards, measuring both impact and airborne sound transmission to ensure optimal noise reduction for residential and commercial applications.

Impact Insulation Class (IIC) – ASTM E492-22

- Tested Product: SPC Flooring (5-7mm total thickness, including 1mm IXPE underlayment)
- Floor-Ceiling Assembly: 150mm concrete slab with a 350mm drop ceiling
- IIC Rating: 62
- Results: The product demonstrates effective impact sound insulation, significantly reducing footstep and impact noise transmission. This makes it ideal for multi-family housing and high-traffic areas.

Sound Transmission Class (STC) – ASTM E90-09(R2016)

- Tested Product: SPC Flooring (5-7mm total thickness, including 1mm IXPE underlayment)
- Floor-Ceiling Assembly: 150mm concrete slab with a 350mm drop ceiling
- STC Rating: 63
- Results: The flooring effectively minimizes airborne noise, enhancing privacy and sound control between spaces.

Key Takeaways

- Infinity Floor's SPC products meet high industry standards for acoustic performance.
- The results confirm excellent performance in both impact noise reduction (IIC 62) and airborne sound transmission (STC 63).
- Suitable for multi-family housing, commercial buildings, and environments requiring superior noise control.

For additional information, please contact us.