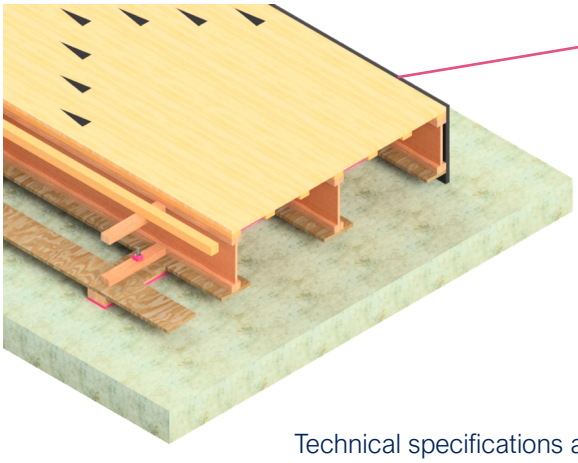
BowlFLOOR *LITE*

Where an existing structure can't support the load of a heavyweight floating slab, BowlFLOOR *LITE* utilises high dynamic deflection polyurethane to extract the maximum possible low-frequency isolation from bowling lane structures that don't incorporate an additional floating slab.

Up to 9 Hz Natural Frequency

90 mins Fire Resistance

Up to 10 years warranty



BowlFLOOR *LITE* Perimeter Isolation Strip

BowlFLOOR *LITE* Acoustic Washer

BowlFLOOR *LITE* Acoustic Bush

BowlFLOOR *LITE* Acoustic Isolation Strip

Technical specifications are available on RIBA NBS plus for rapid import.

Features:

Single Strip:

- ƒn (up to): **13Hz**
- Isolator Thickness: **12.5mm**
- Max Load: **See Over**

Double Strip:

- ƒn (up to): **9Hz**
- Isolator Thickness: **25mm**
- Warranty: **Up to 10 years**

BowlFLOOR *LITE* can be used with any bowling lane system by varying the number of sleepers to match the varying loads induced by the pinsetter, lanes and approach.

The BowlFLOOR *LITE* isolation strips can be loose-laid or bonded with adhesive. Additionally, their performance can be boosted by adding a second layer, and also by fixing using BowlFLOOR *LITE* fixings to increase the pressure on the isolators. See over for a guide to selecting the correct number of strips for your application.

Accreditations:

Quality Management

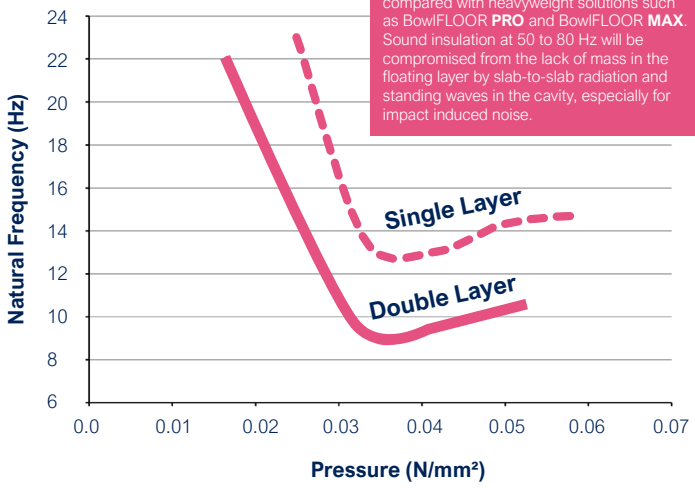
Environmental Responsibility

Performance Testing

Sponsors

Performance:

Despite the low natural frequency, the acoustic isolation performance should not be compared with heavyweight solutions such as BowlFLOOR **PRO** and BowlFLOOR **MAX**. Sound insulation at 50 to 80 Hz will be compromised from the lack of mass in the floating layer by slab-to-slab radiation and standing waves in the cavity, especially for impact induced noise.



Fire: EN 1994-1-2:2010
Based on 160 mm MD05-V3 Composite Deck in a multi span configuration

Test/Assessment Standards:

Test data and standards followed for both static and dynamic material properties are provided within project specific calculations from Farrat.

Please contact Farrat for further information at: **sales@farrat.com**

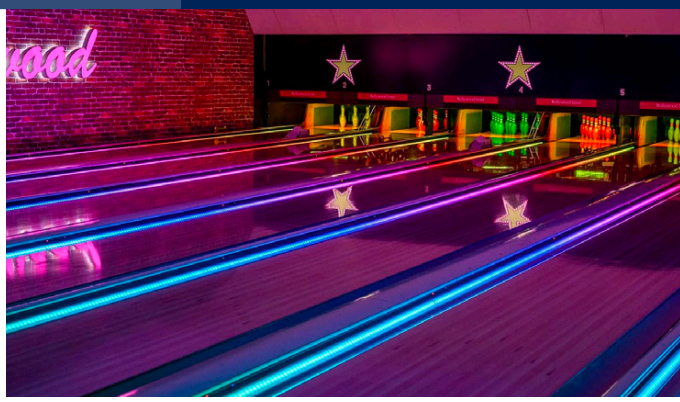
Our acoustic isolators provide complete flexibility in terms of dynamic stiffness and damping. Where necessary we can design bespoke configurations to match your precise needs.

Farrat
ENGINEERS ON A MISSION

Buyers Guide
BowlFLOOR LITE-24a

BowlFLOOR *LITE*

Farrat has pioneered the acoustic isolation of bowling floors.
The unique challenge of three widely varying load profiles across a bowling lane (approach, lanes, pinsetter) combined with the very low-frequency vibrational energy induced by a bowling ball impact led to the development of the BowlFLOOR range.



Fast & Reliable Global Logistics

Our **BowlFLOOR** *LITE* acoustic isolators have a 3-5 day lead time. We hold stock in the **UK**, the **UAE** and **Saudi Arabia**, and regularly export worldwide.

Free Technical Support

Our team of engineers are always on hand to offer advice relating to specification, detailing and installation. We can deliver this remotely or on-site, **anywhere in the world**.

Low Life-Cycle Cost

All of our **BowlFLOOR** systems are designed with ease of installation, durability and follow on trades in mind. **No operational maintenance is required.**

Certified Solutions

Our isolators are manufactured in the UK under an accredited ISO 9001:2015 quality management system. Our **performance test data** is supplied from our in-house laboratory and is regularly checked & referenced with UKAS accredited laboratories.

200 Projects Experience

We regularly supply our BowlFLOOR systems to market leading bowling operators and manufacturers including: **Hollywood Bowl, Superbowl, QubicaAMF** and **Yalla! Bowling**.

Ordering from Farrat:

BowlFLOOR *LITE* Acoustic Isolation Strips

Product Code: 2BF-L-100 and 2BF-L-140
Measure: Strips are: 1000 x 100 x 12.5mm or 1000 x 140 x 12.5mm. Allow 1 strip per meter of lane-perpendicular sleeper (double for x2 layers). + 10% waste.

BowlFLOOR *LITE* Perimeter Isolation Strips

Product Code: 2BF-L-02
Measure: Strips are: 2000 x 160 x 20mm. Allow 0.5 strips per meter of bowl area perimeter. Including around penetrations. + 10% waste.

BowlFLOOR *LITE* Acoustic Washer

Product Code: 2BF-L-03
Measure: Available for M12 fixings only. Fixings to S.E. Spec (typically 1000mm centres) = 1 washer per meter of sole plate. All fixings through isolation strips should incorporate an acoustic washer.

BowlFLOOR *LITE* Acoustic Bush

Product Code: 2BF-L-04
Measure: Available for M12 fixings only. Hole for acoustic bush = 18mm. All fixings through isolation strips should incorporate an acoustic bush.

Example Layout: