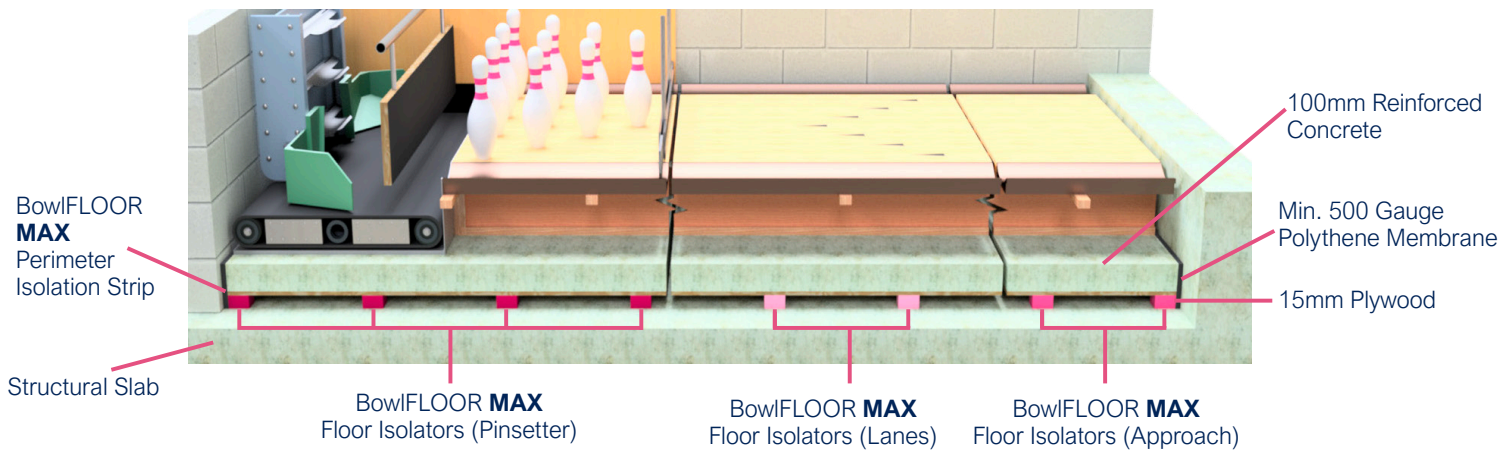


## BowIFLOOR MAX

Providing high levels of acoustic isolation to bowling lanes is difficult as the isolators must be soft and compressible, yet resist varying loads across the approach, lanes and pinsetter. This has the potential to lead to inconsistent deflection.

BowIFLOOR **MAX** is designed around a carefully calculated trio of isolators and combined with a concrete slab to deliver the very highest levels of acoustic isolation with competition standard deflection consistency.



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

### Features:

- ▶  $f_n$  @Operating Load: **9Hz**
- ▶  $f_n$  @Dead Load: **11Hz**
- ▶ Height: **165mm**
- ▶ Weight: **2.5 kN/m<sup>2</sup>**
- ▶ Air Gap: **50mm**
- ▶ Floor Finish: **Concrete**
- ▶ Live Load: **7.5 kN/m<sup>2</sup>** (Pinsetter)  
5. kN/m<sup>2</sup> (Approach and Lanes)
- ▶ Point Load: **5 kN**  
(minimum 1000 mm centres)  
(Load capacities subject to slab design)
- ▶ Warranty: **Up to 15 years**

BowIFLOOR **MAX** floating slabs can be designed with a fully fibre reinforced concrete to allow easy bowling lane installation without the risk of hitting rebar.

Self-compacting concrete can also be used to ensure high flatness tolerance is achieved without the requirement for power floating in confined areas.

Contact Farrat for further advice and information regarding floating slab design.

### Accreditations:



### Performance:

Rw: 72 dB  $\Delta L_w$ : 36 dB

Frequency (Hz)	63	125	250	500	1K	2K	4K
R (dB)	52	50	55	77	81	82	84

Fire Resistance Duration: 90 mins

Test/Assessment Standards:

Acoustic (Airborne): ISO 10140-1,2,4:2020  
ISO 717-1:2013

Acoustic (Impact): ISO 10140-1,3:2010  
Based on 140 mm structural slab, no ceiling ISO 717-2:2013

Fire: EN 1994-1-2:2010

Based on 160 mm MD05-V3 Composite Deck in a multi span configuration

### Test/Assessment Standards

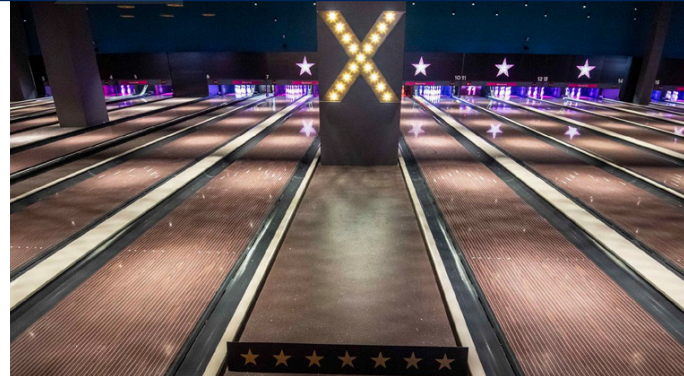
Test data and standards followed for both static and dynamic material properties are provided within project specific calculations from Farrat.

Please contact Farrat for further information: [sales@farrat.com](mailto: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.

## BowFLOOR MAX

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 BowFLOOR range.



## Ordering from Farrat:

BowFLOOR **MAX** Floor Isolators

**Product Code (Approach):** 2BF-M-01

**Product Code (Lanes):** 2BF-M-02

**Product Code (Pinsetter):** 2BF-M-03

**Measure:** Isolators at 600 mm cross centres  
Allow 3.4 isolators per m<sup>2</sup> (floor area) + 0.2 isolators per m<sup>2</sup> for non-rectangular shapes

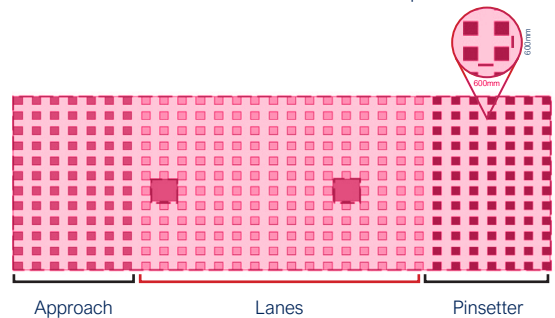
BowFLOOR **MAX** Perimeter Isolation Strips

**Product Code (Approach):** 2BF-M-04

**Measure:** Strips are 2000 mm long. Allow 0.5 strips per meter of bowl area perimeter. Including around penetrations and columns.  
+ 10% waste.

Example Layout:

-  BowFLOOR **MAX** Acoustic Isolator (Approach)
-  BowFLOOR **MAX** Acoustic Isolator (Lanes)
-  BowFLOOR **MAX** Acoustic Isolator (Pinsetter)
-  BowFLOOR **MAX** Perimeter Isolation Strip



Our BowFLOOR **MAX** products have a 3-5 day lead time. We hold stock in the **UK**, the **UAE** and **Saudi Arabia**, and regularly export worldwide.



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**.



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



Our isolators are manufactured in the UK under and accredited ISO 9001:2015 quality management system. Our **performance test data** is all supplied from UKAS and IPAC accredited laboratories.



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