CineFLOOR
A COMPLETE RANGE OF ACOUSTIC FLOATING FLOOR SOLUTIONS TO ISOLATE CINEMA NOISE
We’ve orchestrated the acoustic isolation of over 200 cinemas

With over 60 years’ experience in acoustic isolation, we have developed the Farrat Cine range as the ultimate answer to the cinema market’s most demanding acoustic challenges.

From initial consultation, through to design, manufacture, supply, installation and inspection, we will ensure that the Farrat Cine system you select is the most effective solution for your project.

We work regularly with the most respected cinema brands and project teams currently leading the market, including Cineworld, VOX, VUE, REEL, Odeon and Empire.

We fully understand and continually meet each of their individual requirements with products in the Farrat Cine Range, delivering value throughout the project timeline and engineering the very best results.

You can therefore rest assured that your project is in safe hands with Farrat.

The Farrat Cine range:

- CineFLOOR: Acoustic Floating Floors
- CineSTEEL: Steel Frame Raked Seating Isolators
- CineTIMBER: Timber Frame Raked Seating Isolators
- CineWALL: Auditorium Partition Base Track Isolation
CineFLOOR

Four advanced acoustic isolation solutions for the world's most demanding cinema applications.

CineFLOOR was designed by our engineers as a comprehensive range of acoustic floating floor solutions for auditoriums of all shapes and sizes. From multiplex cinemas to boutique auditoria and private viewing rooms, CineFLOOR will keep sound constrained to its source.

We know from our experience that every cinema has a unique acoustic profile, and that one size or system does not fit all.

That’s why we designed four grades to reflect all possible variables – auditorium size, shape, location, acoustic function, audience capacity, technical specification, budget and lead time.

Each CineFLOOR grade uses natural rubber isolators that are manufactured under an ISO 9001 compliant quality management system and have been performance tested in UKAS and IPAC accredited laboratories. The compounding and manufacture of our isolators is backed by over 60 years of Farrat’s research and development in elastomer science.

Special care has also been taken to consider build-ability, reliability and robustness in each design to ensure that the operator’s key interests are upheld, such as acoustic performance, longevity and lifecycle cost. CineFLOOR designs do not require any ongoing maintenance and will last for the entire lifetime of a building.

We are so confident of this that we offer performance warranties up to 25 years – the longest in the industry.
The lowest frequency isolation performance comes from heavyweight slabs:

CineFLOOR PRO

The ultimate isolation grade for a new generation of cinema technologies

Designed specifically for 4DX auditoria, CineFLOOR MAX incorporates high damping isolators to control and constrain vibration while still providing exceptionally high sound insulation.

Our heaviest and highest performing acoustic floating floor incorporates a 150 mm concrete slab and has been developed following years of research into cinema motion technology.

Future-proofed using the most extreme calibration routines from 4DX suppliers, CineFLOOR MAX not only isolates the vibration from adjacent auditoria, but also controls the slab response that the 4DX seats are mounted to, offering superior motion feedback and a more immersive 4D experience.

Features:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>CineFLOOR MAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>$f_n$ at Operating Load</td>
<td>10 Hz</td>
</tr>
<tr>
<td>$f_n$ at Dead Load</td>
<td>13 Hz</td>
</tr>
<tr>
<td>Height</td>
<td>215 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>3.7 kN/m$^2$</td>
</tr>
<tr>
<td>Air Gap</td>
<td>50 mm</td>
</tr>
</tbody>
</table>

Where optimal performance meets optimal price

Our most frequently specified grade of floating floor suffers no compromises from low mass or high stiffness isolators to achieve the highest ratio of acoustic isolation performance vs. price in the CineFLOOR range.

For over 10 years CineFLOOR PRO has been the preferred choice of many of the world’s leading multiplex cinema brands thanks to its proven and reliable superior performance.

Designed specifically with program conscious contractors in mind, CineFLOOR PRO incorporates a host of value-added features including rapid installation and robust interface detailing, accelerated drying times and a smooth floor finish to facilitate direct vinyl application.

Features:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>CineFLOOR PRO</th>
</tr>
</thead>
<tbody>
<tr>
<td>$f_n$ at Operating Load</td>
<td>9 Hz</td>
</tr>
<tr>
<td>$f_n$ at Dead Load</td>
<td>11 Hz</td>
</tr>
<tr>
<td>Height</td>
<td>165 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>2.5 kN/m$^2$</td>
</tr>
<tr>
<td>Air Gap</td>
<td>50 mm</td>
</tr>
</tbody>
</table>

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.
Where concrete isn’t an option, select from our more agile solutions:

CineFLOOR LITE

Maximising sound insulation with minimal imposed load.

Where an existing structure cannot support the load of a heavyweight floating slab, CineFLOOR LITE utilises our very lowest dynamic stiffness isolators to extract the maximum possible low-frequency performance from a lightweight timber/plasterboard floating slab.

**Features:**
- $f_n$ @ Operating Load: 9 Hz
- $f_n$ @ Dead Load: 17 Hz
- Height: 110 mm
- Weight: 0.5 kN/m$^2$
- Air Gap: 50 mm

CineFLOOR NEO

Market-leading sound insulation performance for cost-constrained projects

This is our 100% timber acoustic floating floor for projects where material supply and/or cost is significantly constrained.

High levels of sound insulation can be achieved thanks to the variable stiffness response of the CineFLOOR NEO isolation strips, however there are compromises at the lowest frequencies.

**Features:**
- $f_n$ @ Operating Load: 21 Hz
- $f_n$ @ Dead Load: 27 Hz
- Height: 130 mm
- Weight: 0.3 kN/m$^2$
- Air Gap: 85 mm

### Suitability:

<table>
<thead>
<tr>
<th>CINE FLOOR Grade</th>
<th>Music Practice Rooms</th>
<th>Recording Studios</th>
<th>TV Studios</th>
<th>Home Cinemas</th>
<th>Commercial Cinema</th>
<th>4DX</th>
<th>Existing Structures</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEO</td>
<td>✓</td>
<td>✓</td>
<td>×</td>
<td>✓</td>
<td>✓</td>
<td>×</td>
<td>✓</td>
</tr>
<tr>
<td>LITE</td>
<td>✓</td>
<td>✓</td>
<td>×</td>
<td>✓</td>
<td>✓</td>
<td>×</td>
<td>✓</td>
</tr>
<tr>
<td>PRO</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>×</td>
<td>Check with Structural Engineer</td>
</tr>
<tr>
<td>MAX</td>
<td>×</td>
<td>×</td>
<td>×</td>
<td>×</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

Specification sheets for each grade can be found overleaf.
On-going support from Farrat experts

Regardless of the CineFLOOR grade you choose, you’ll have the comfort of knowing that our expert engineers will be on hand to advise you every step of the way.

From system selection, design, planning, production, delivery, installation and testing through to post-construction customer service.

We provide our customers with the best technical solutions to their engineering challenges and we always uphold client interest to make sure that the project is delivered successfully.

We can deliver this service worldwide and with over 200 successful cinema projects to our credit – plus regular repeat orders from some of the biggest names in the industry – you can rest assured your project is in safe hands with Farrat.

Martin Schute
Design Manager
John Sisk & Son

Vue Cinema | Newbury

Farrat were instrumental in providing a comprehensive project solution within very tight deadlines
About Farrat
Farrat is a privately-owned specialist engineering company that designs and manufactures solutions for vibration control, thermal isolation and precision levelling applications in the global construction, industrial and power generation sectors.

Our highly skilled engineers have earned a unique reputation for providing expert technical advice and support to project teams and clients throughout the entire construction cycle, by developing creative solutions designed to provide long term and reliable performance, build-ability and value.

This customer focus drives the innovation and continuous development of our comprehensive, versatile and cutting edge product portfolio, which is rigorously tested and accredited to the latest standards and supported by responsive customer support, product availability, and a rapidly expanding global distribution network.

Learn more about us online at:
www.farrat.com