

# Designers Guide to CineFLOOR LITE

Where an existing structure can't 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 floating slab.



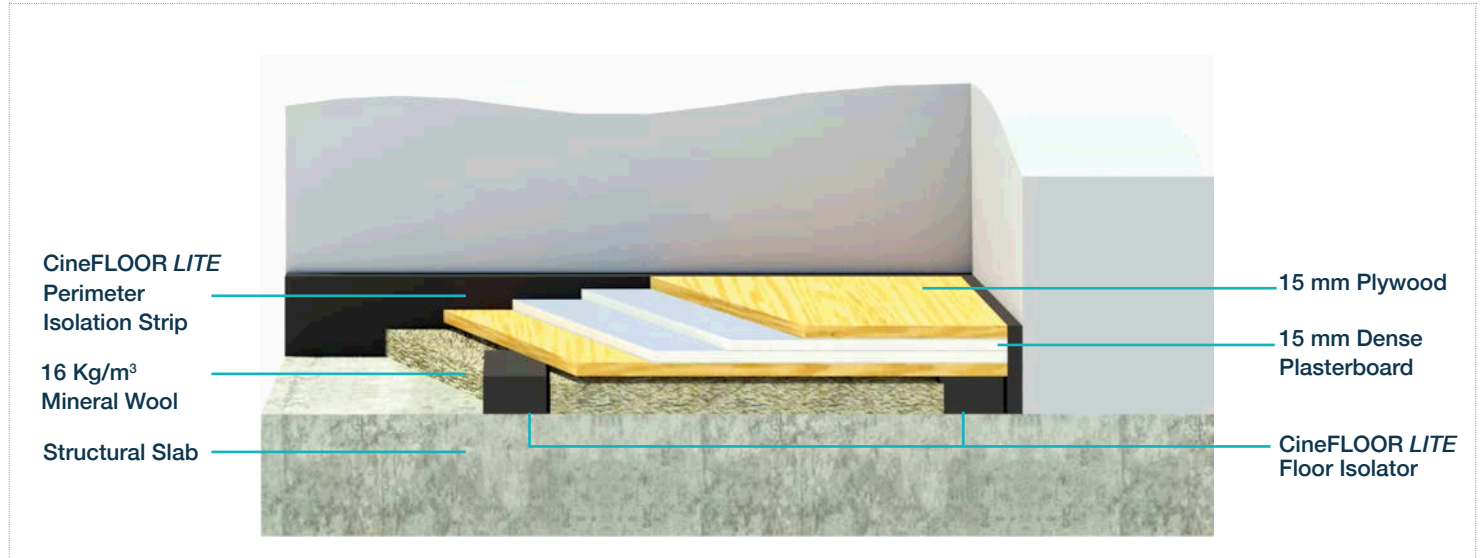
9 Hz  
Natural  
Frequency



90 mins  
Fire  
Resistance



Up to 10  
Years  
Warranty



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

## Features:

- $f_n$  @ Operating Load: 9 Hz      **Floor Finish:** Plywood
- $f_n$  @ Dead Load: 17 Hz      **Live Load:** 5 kN/m<sup>2</sup>
- Height:** 110 mm      **Point Load:** 4 kN (minimum 1000 mm centres)
- Weight:** 0.5 kN/m<sup>2</sup> (Load capacities subject to slab design)
- Air Gap:** 50 mm      **Warranty:** upto 10 Years

CineFLOOR LITE floating slabs can be designed with a combination of timber, plasterboard and cement particle board layers to offer variable mass and resistance to moisture.

They offer wide flexibility when it comes to modification and replaceability and are particularly suited to renovation and re-purposing applications where the structural slab is not designed to take the weight of a concrete floating floor.

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

## Standards:



## Performance:

$R_w$ : 71 dB     $\Delta L_w$ : 34 dB

FREQUENCY (Hz)	63	125	250	500	1K	2K	4K
R (dB)	44	48	57	73	80	81	82

**Fire Resistance Duration:** 90 mins

### Test/Assesment Standards:

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

**Acoustic (Impact):** ISO 10140-1,3:2010  
ISO 717-2:2013

Based on 140 mm structural slab, no ceiling

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

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.

# Buyers Guide to CineFLOOR LITE

The Farrat CineFLOOR range was developed following the successful delivery of more than 200 cinemas all around the world.

Our emphasis is on buildability and cost-effectiveness while maintaining the highest standards of performance, delivery, longevity and reliability.



Fast & Reliable  
Global Logistics

Our CineFLOOR LITE products have a 1-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 CineFLOOR 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 and accredited ISO 9001:2015 quality management system. Our **performance test data** is all supplied from UKAS and IPAC accredited laboratories.

200 Projects  
Experience

We regularly supply our CineFLOOR systems to market leading cinema operators including: **Cineworld, Vox, VUE, Empire, REEL, Odeon** and **UCI**.

## Ordering from Farrat:

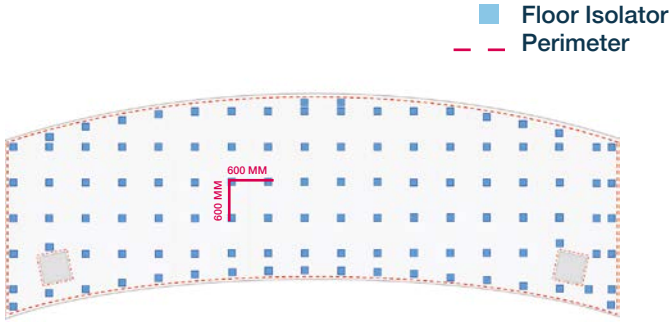
### CineFLOOR LITE Floor Isolators

- Product Code:** 2CF-L-01  
**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

### CineFLOOR LITE Perimeter Isolation Strips

- Product Code:** 2CF-L-02  
**Measure:** Strips are 2000 mm long  
 Allow 0.5 strips per meter  
 (perimeter, including penetrations)  
 + 10% off-cuts etc

### Example Layout:



Curzon  
Sheffield



Everyman  
Kings Cross



Empire  
Leicester Square