

Kinetics RIM (Roll-out Isolation Material) System – Concrete

Product Description

Kinetics RIM-C System remains the leading formwork technique for isolating concrete slabs in any floor or roof system requiring sound abatement. The pour-in-place floor isolation system incorporates all critical components needed in a top-performing noise control system, including: Model KIP isolators, fibreglass batting, Model PIB Perimeter Isolation Board, spray adhesive, plywood junction plates, polyethylene sheeting and tape, and non-hardening perimeter sealant.

Model KIP isolators are available in different densities allowing for a multitude of load ranges under a single slab while maintaining a constant natural frequency.

Kinetics RIM-C easily creates an airspace of 1 to 4 inches and is designed to meet requirements for; load capacity, natural frequency/pad deflection and acoustic performance.



Benefits

- STC 73/IIC 70 Tests A2-b and A3
- Greater load capacity at a lower cost
- Can be designed for any load range
- Easy to create 1", 2", 3" and 4" airspaces
- Fast, simple, inexpensive installation
- Factory installation and supervision available
- Model RIM System successfully installed for over 45 years
- Natural frequency constant over a wide load range

Applications

- Mechanical rooms
- Studios
- Ballrooms
- Theatres

Installation

Installation of the RIM-C System is quick and easy.

1. Decouple the area by installing Perimeter Isolation Board (Model PIB) around the perimeter of the room. Model PIB is also used as a resilient break against any other non isolated materials, such as ductwork, pipe and walls.
2. Fibreglass batt is then rolled out over the structural floor, with the KIP isolators laid at 12", 16" or 24" centres.
3. A pouring form is created by placing plywood on top of the isolators and held together with junction plates and screws.
4. Two layers of 6-mil poly overlapped and taped at the seams cover the pouring form as temporary waterproofing.
5. Concrete reinforcement is installed and then concrete poured in place.
6. The final installation step requires the removal of the Model PIB tear strip and sealing the perimeter of the floating floor with resilient, non-hardening caulk.

Installation Sequence

1. Place Perimeter Board (Model PIB)
2. Roll-out Model RIM and cut as needed
3. Secure junction plates on plywood pouring form
4. Cover with poly layer. Ready to install reinforcement and pour concrete



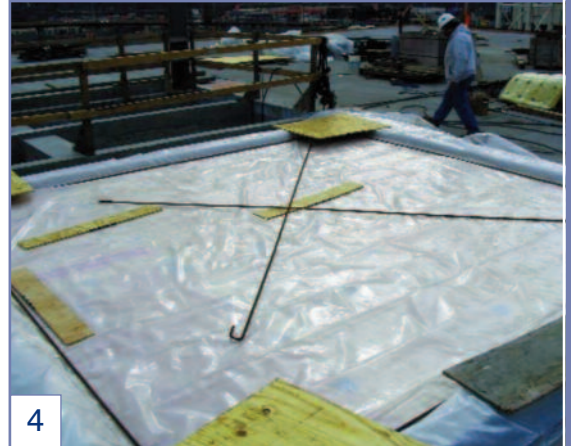
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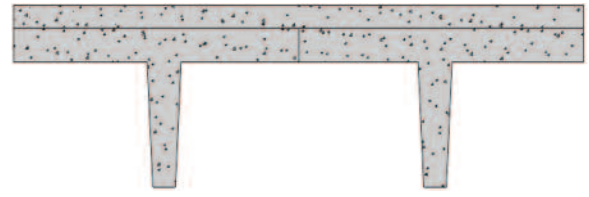
CMS VIBRATION
SOLUTIONS

Acoustic Performance

2" Topping Slab
Precast Concrete 14" Tee

STC 54

IIC 24

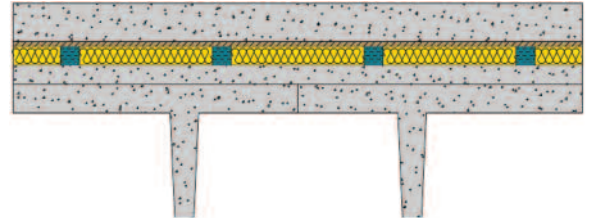


Kinetics Test Number A2-a

4" Concrete Slab
1/2" Plywood
Kinetics® RIM L-2-12
2" Topping Slab
Precast Concrete 14" Tee

STC 73

IIC 70

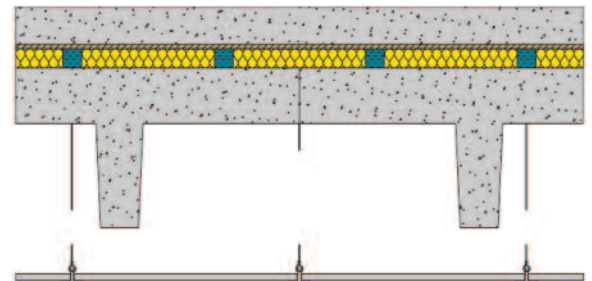


Kinetics Test Number A2-b and A3

4" Concrete Slab
5/8" Plywood
Kinetics® RIM Q-2-12
4-7/8" Concrete Slab with 17" Tee
Drop in Acoustical Ceiling

FSTC 72

FIIC 68

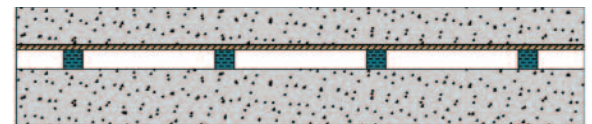


Kinetics Test Number A11

4" Concrete Slab
1/2" Plywood
Kinetics® KIP-22-Q2 Isolation Pads
6" Concrete Slab

STC 68

IIC 60



Kinetics Test Number A13-a

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