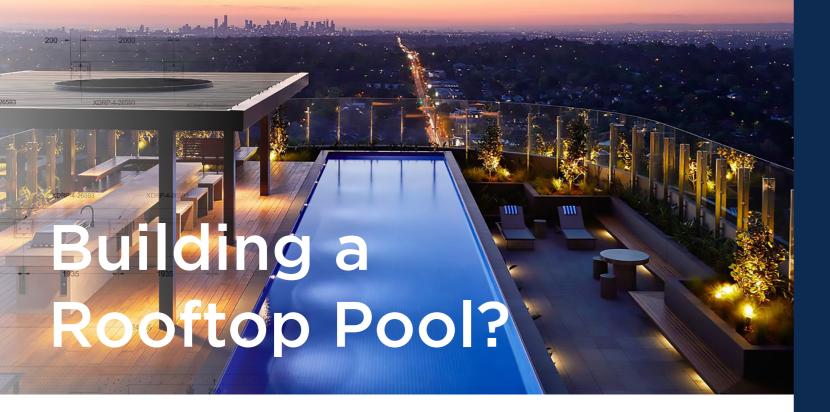


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## What Isolation Systems are there?



# SHEET/MATTING ISOLATION

A full coverage layer of matting or resilient foam under a pool is the simplest installation. However, this method often results in a layer of high stiffness which doesn't significantly reduce vibration transmission. Typically implemented in applications where thermal expansion is the major concern and a structural break required.



**ELASTOMERIC PADS** 

Discrete pads enable a thicker, more resilient product to be used than matting, and less contact area from the pool to the structure. Implemented when a sensitive space is not directly underneath and the supporting structure is relatively rigid. Requires a at least 50mm cavity between pool shell and structure.



**STEEL SPRINGS** 

Steel springs provide the highest level of attenuation, resulting in inaudibile structure-borne noise for most installations. Marine grade coatings are utilised to ensure long life for the high strength spring steel in a corrosive environment. If springs cannot be located at the perimeter in a corbel support design, then a cavity between 150mm and 280mm is required. Access for maintenance to all spring packs is highly recommended.

# Have you allowed for isolators under your pool?

2

# What considerations need to be made at design stage?

☐ Is the pool structure in close proximity to sensitive spaces such as bedrooms?

If Yes, pool isolation may be required, engage an acoustic consultant and allow a cavity suitable for spring isolation if possible as it may be difficult to put in once design progresses

### The Complete Engineered Solution

- Site measurements and walk through
- Isolator layout along with preliminary drawings by Embelton Engineering
- Installation
- Warranty & Testing

### What should I do next?

Contact your local Embelton representative to discuss the process of getting a specification for your Swimming Pool or Spa installation.

T: 1800 339 638



Swimming Pool Spring System Isolation In Construction

