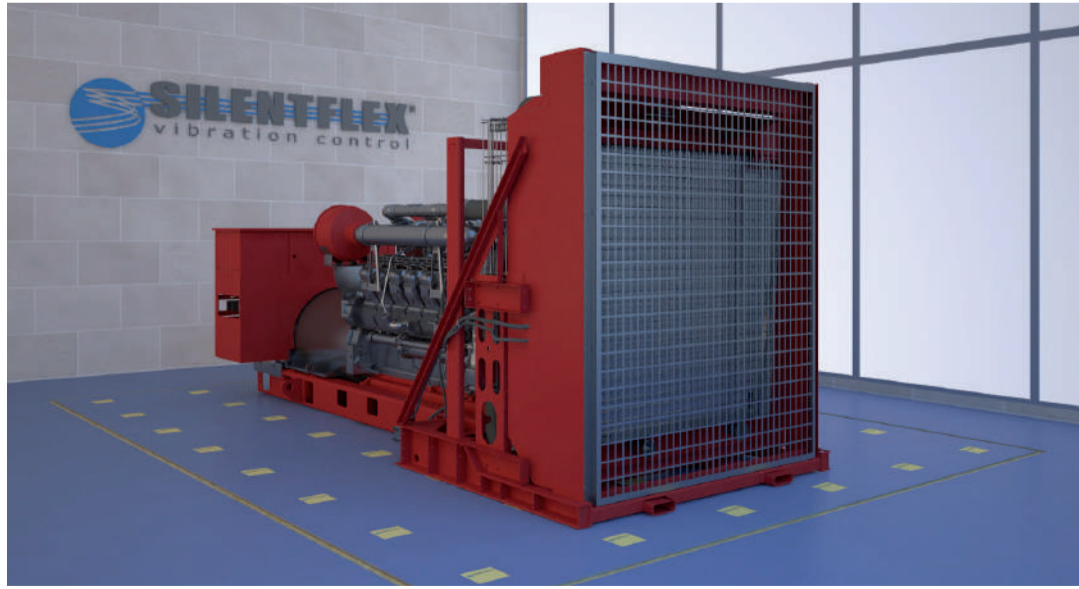
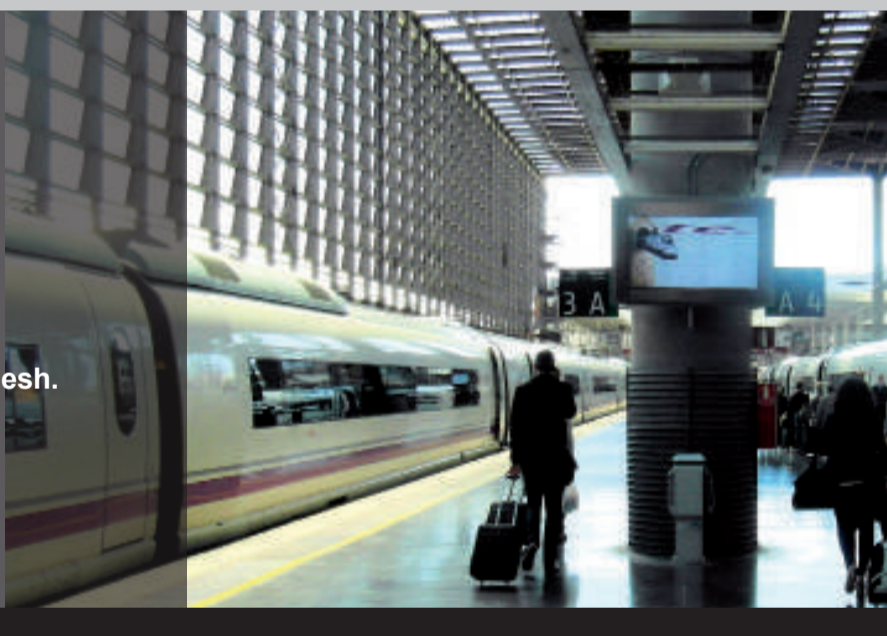


**SILENTFLEX® FLOATING SLAB**

INTERNATIONALLY PATENTED SYSTEM  
 SPAIN (P200701966)  
 USA (13/463.320)  
 INTERNATIONAL (PCT/ES2008/000469)  
 ENDESA APPROVED SYSTEM

Silentflex®  
 Tfn: +34 942 544 223  
 Fax +34 942 544 224  
 E-mail: silentflex@silentflex.com  
 Web: www.silentflex.com

- Quick & easy construction.
- Competitive & customer adaptable cost.
- Quick access containers for slab adaptation to changing loads over its working life.
- Easy leveling system.
- High performance metal containers: durable, safe and easily fastened to concrete wire mesh.
- Different thicknesses available.

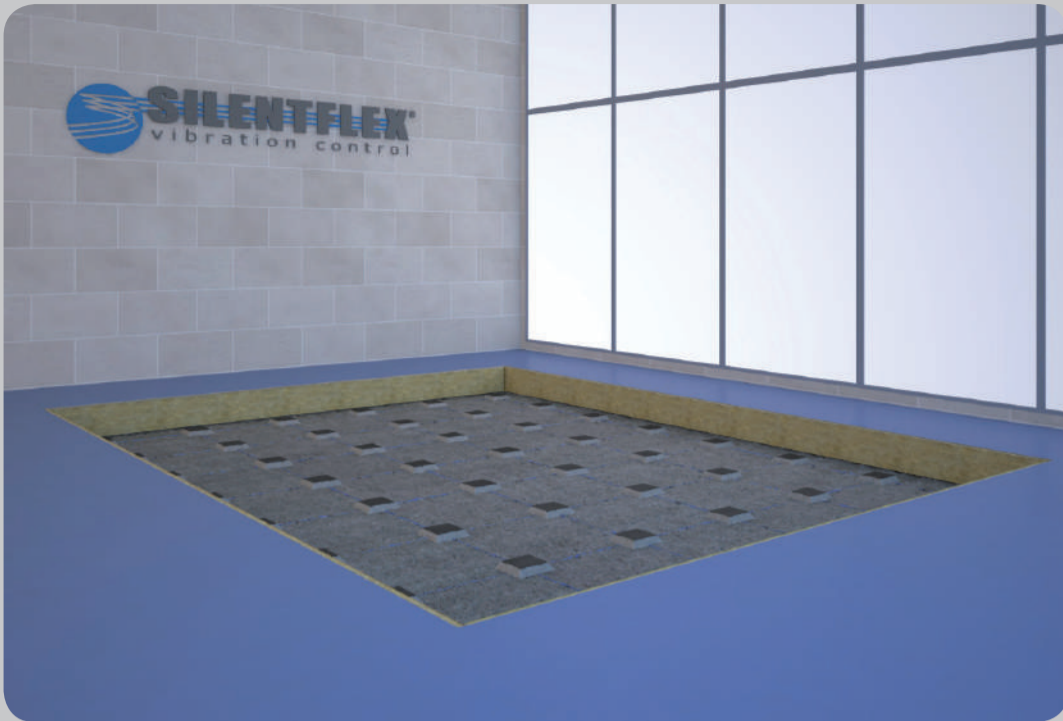


SOUND AND IMPACT TRIALS UNDER ISO 717-2:  
 AIR NOISE SOUNDPROOFING OF 55 DB.  
 This is the highest acoustic attenuation of all standard anti-vibration floating floors.

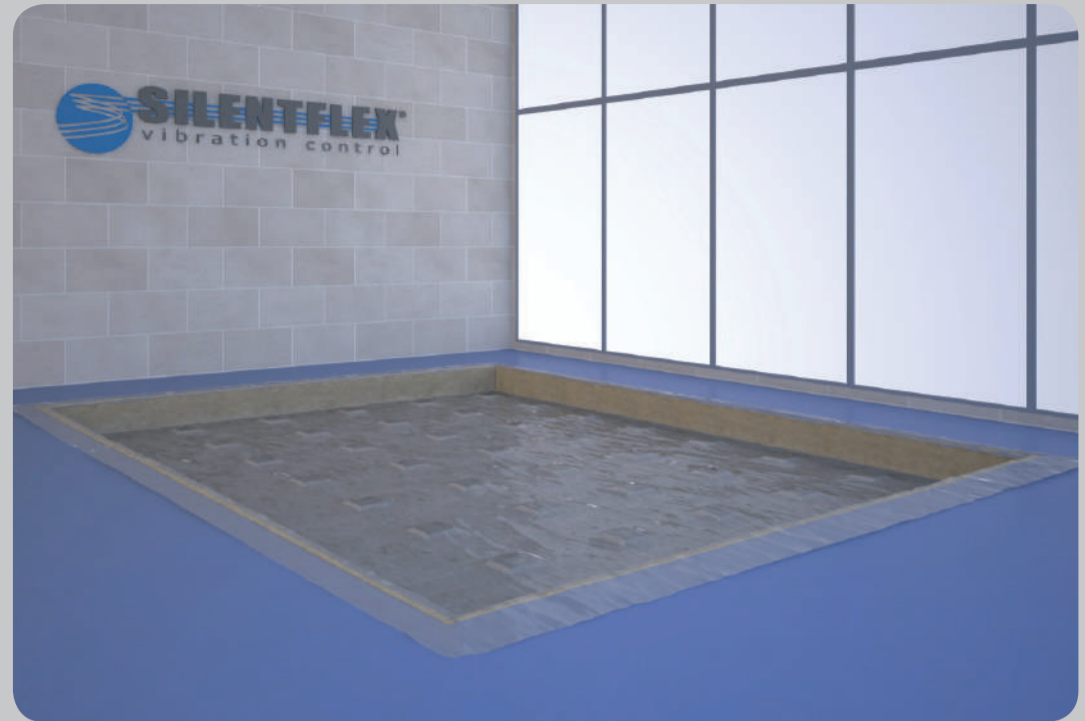


Our floating slabs are measured, designed, and custom built for our clients under the ISO 9001 standard

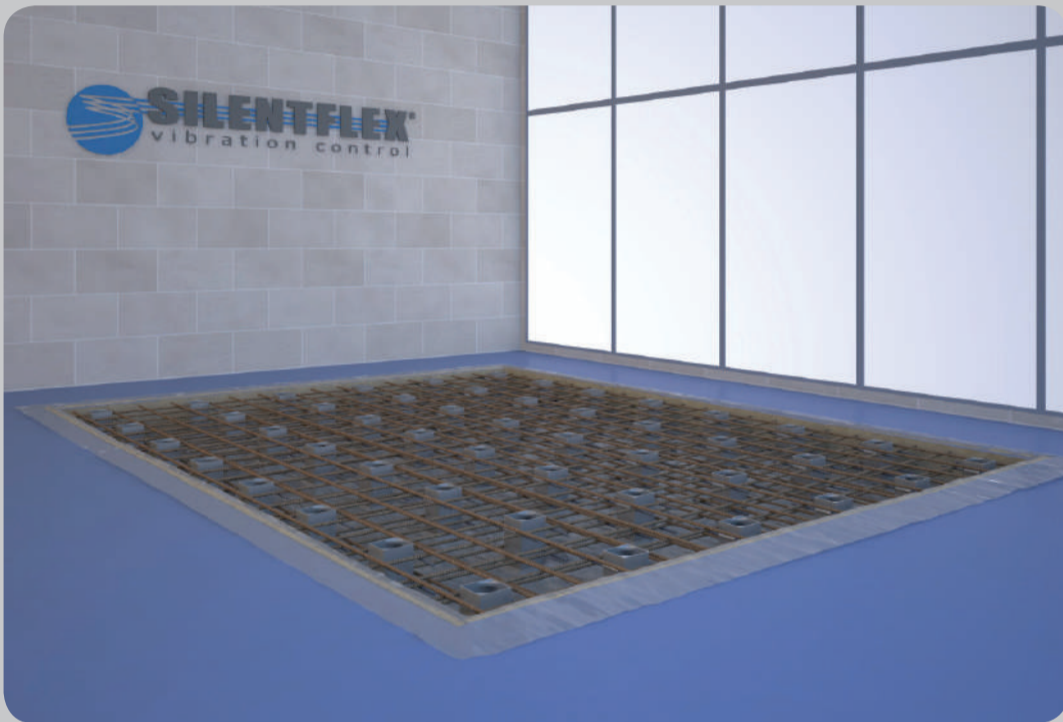
# SILENTFLEX® FLOATING SLAB EASY INSTALLATION



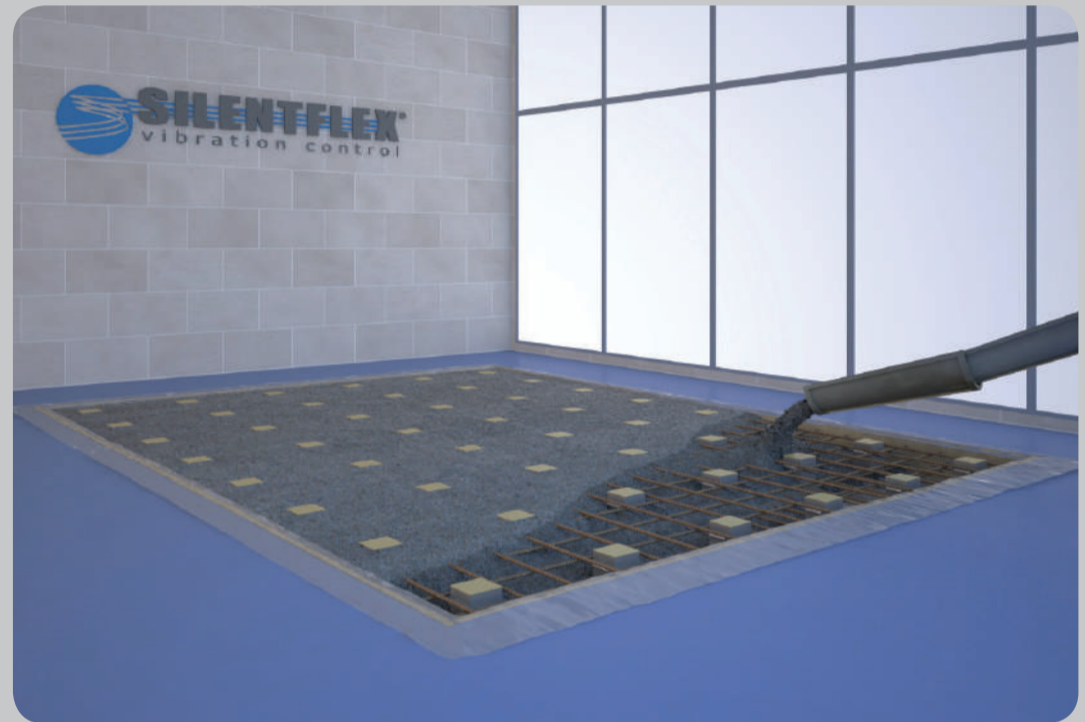
Positioning of base plates (optional) over the trench floor & perimeter coverage with Rockwool based isolation



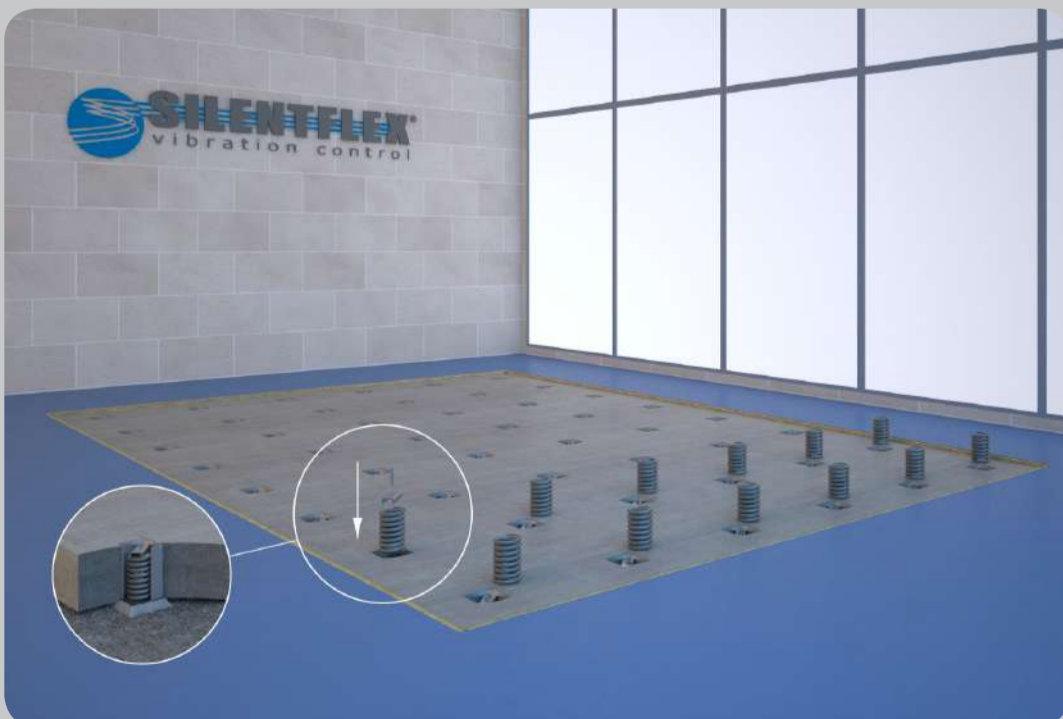
Placement of a thin plastic layer over the trench floor in order to avoid concrete joints after concrete pouring & curing steps



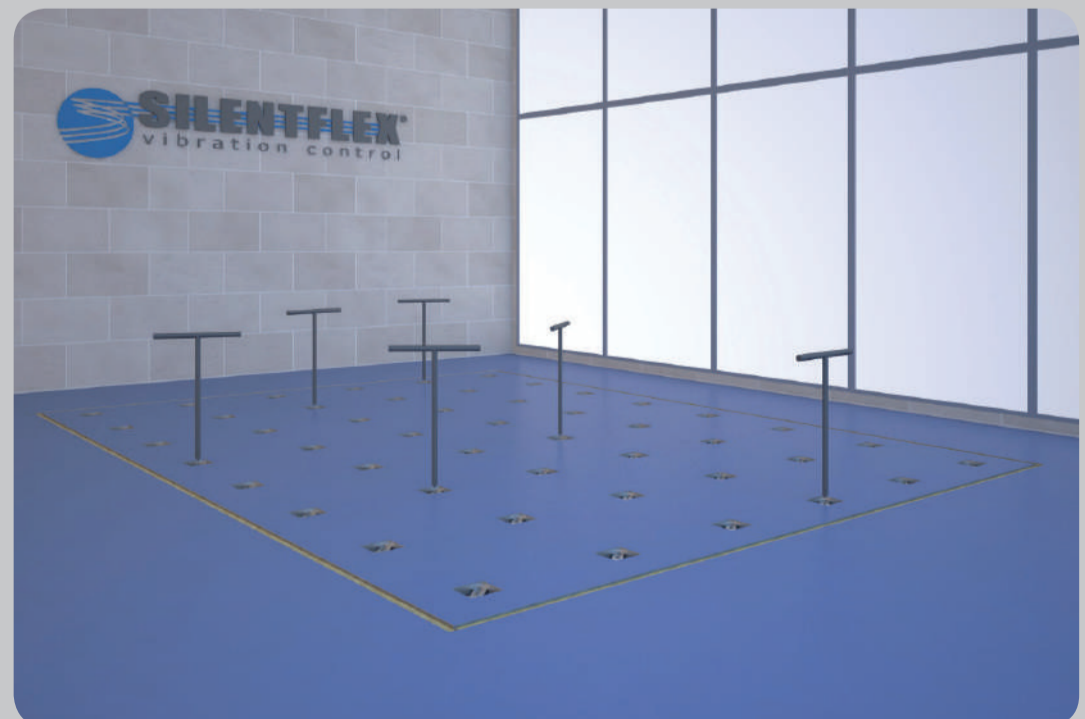
Simple placement of two concrete wire mesh layers (easy fitting over container handles; no welding needed)



Concrete direct-poured into the trench. Hand finished with vibration tool



Easy insertion of spring isolators within containers



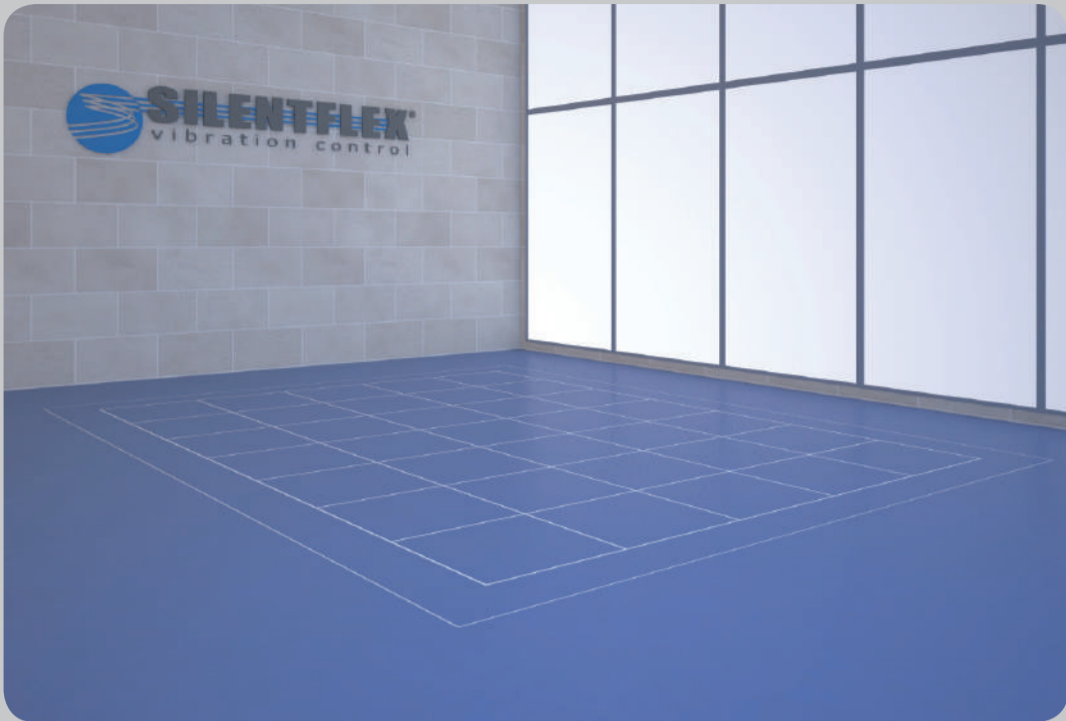
Quick and easy leveling with included patented torque tool

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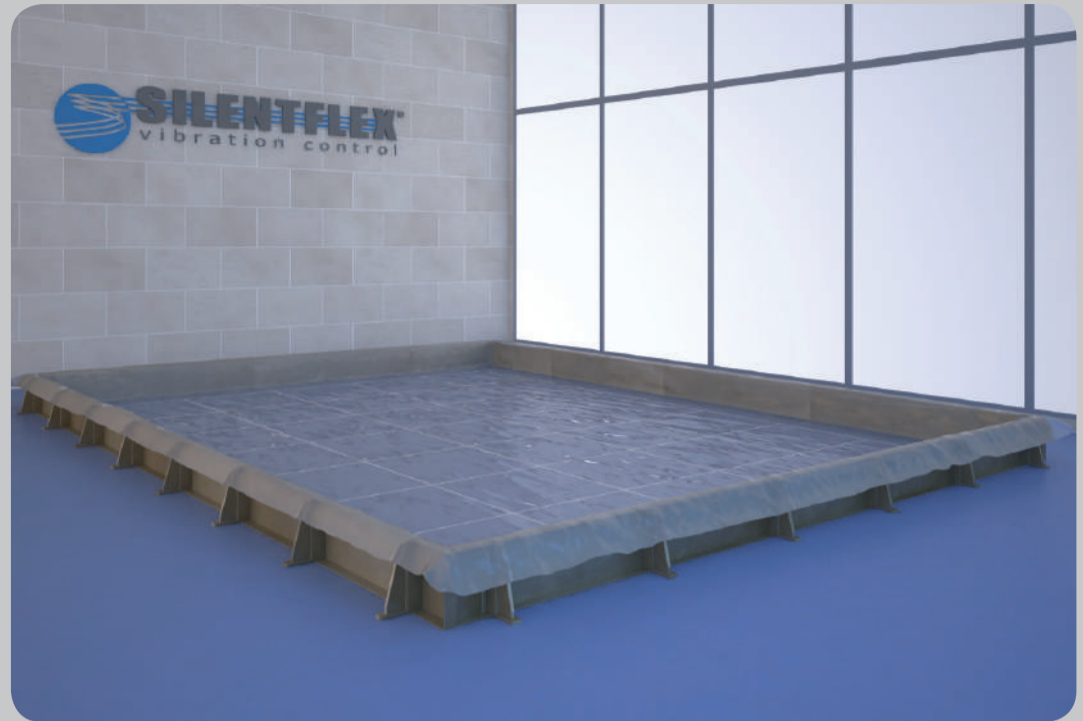
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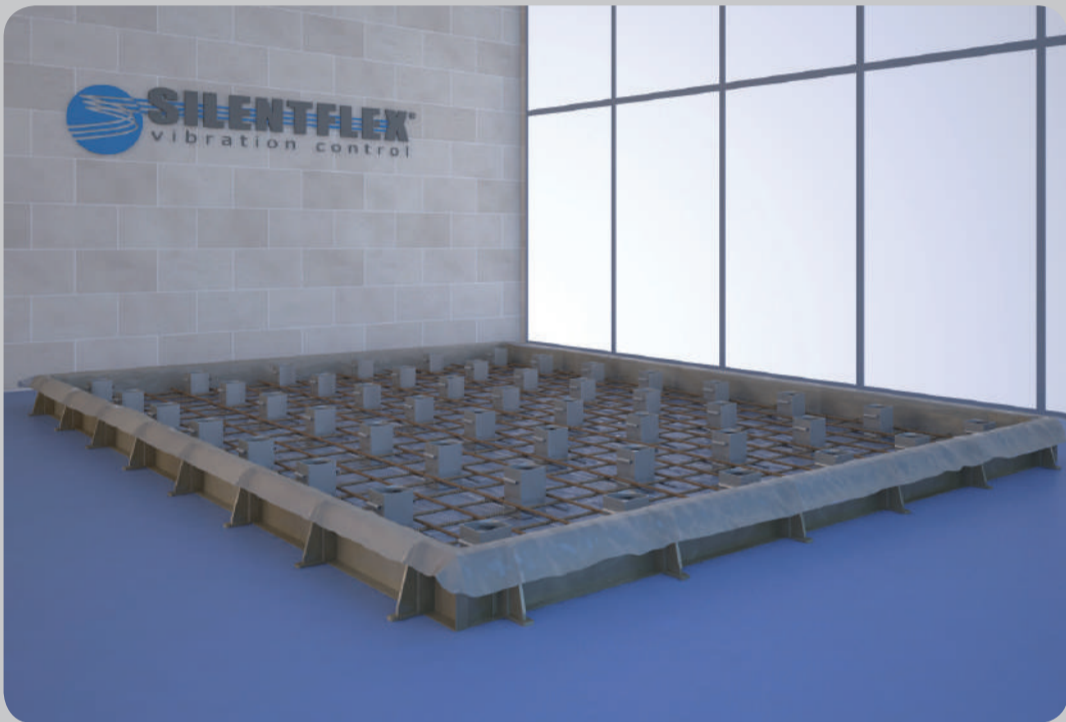
# SILENTFLEX® FLOATING SLAB EASY INSTALLATION



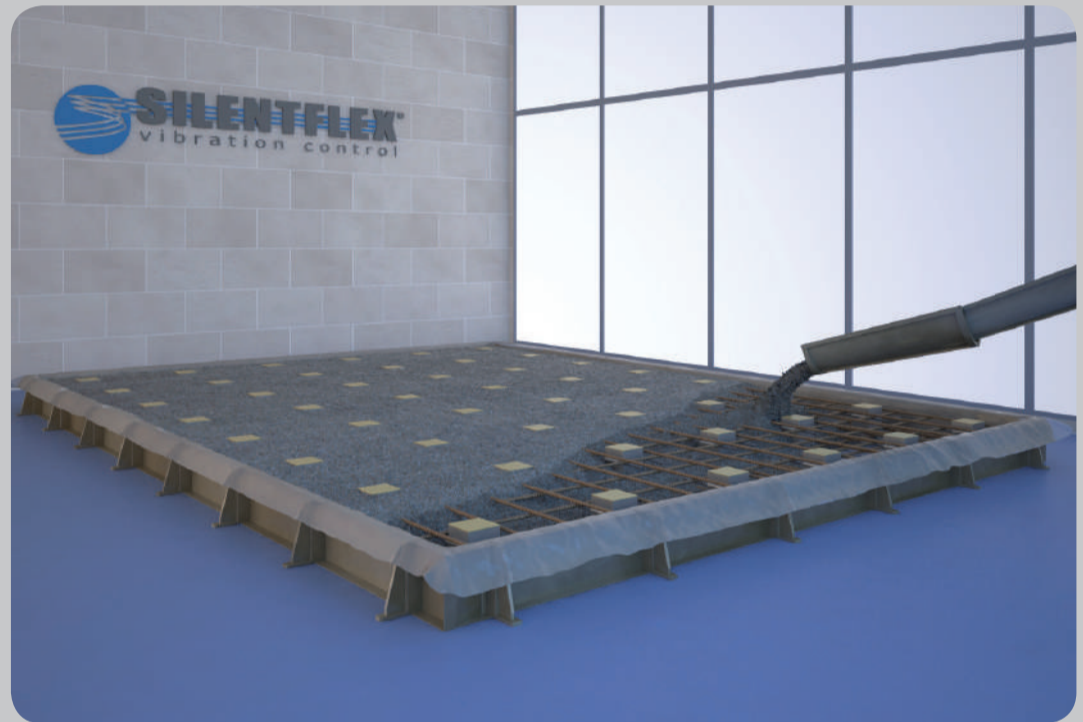
Positioning of base plates (optional) over the trench floor & perimeter coverage with Rockwool based isolation



Placement of a thin plastic layer over the trench floor in order to avoid concrete joints after concrete pouring & curing steps



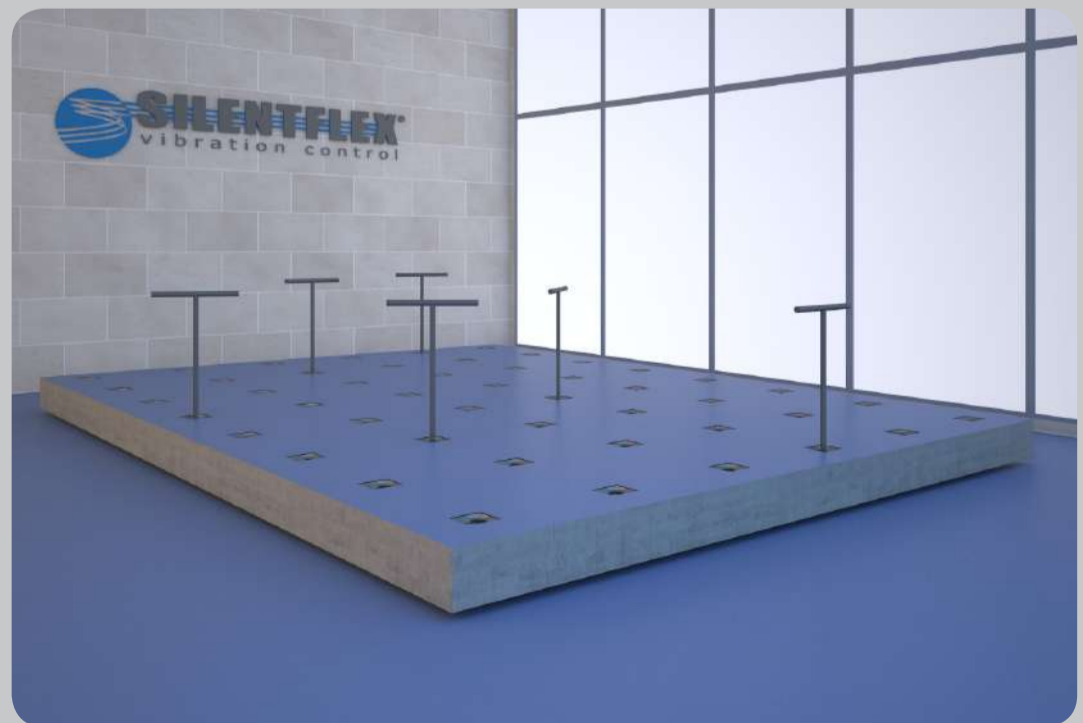
Simple placement of two concrete wire mesh layers (easy fitting over container handles; no welding needed)



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Quick and easy leveling with included patented torque tool

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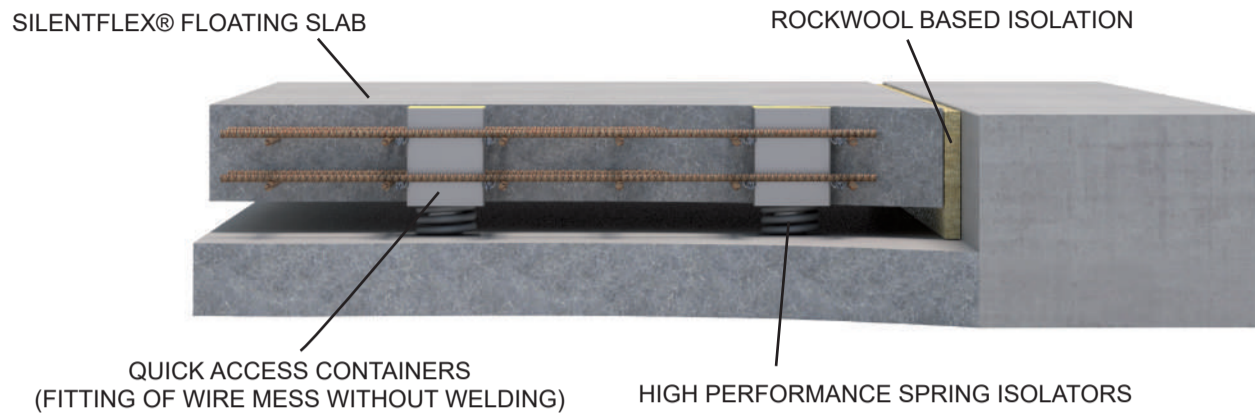
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# SILENTFLEX® FLOATING SLAB PERFORMANCES & CURVES

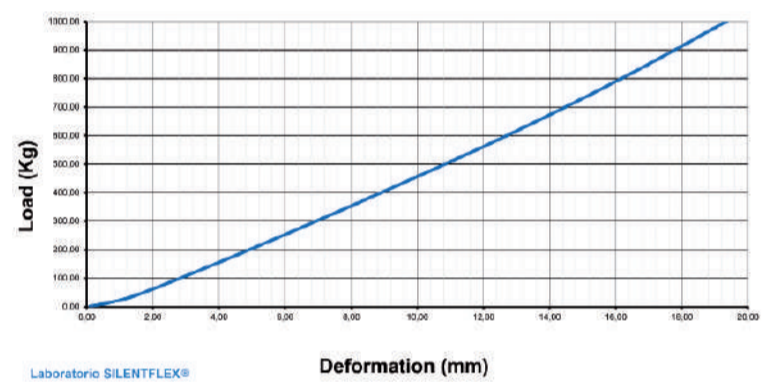
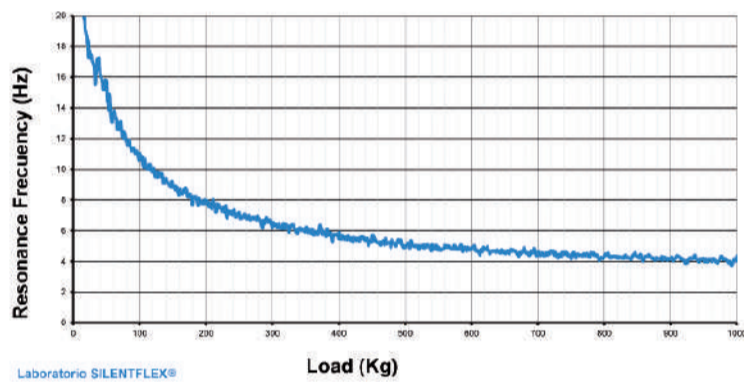


## OPERATION BASICS



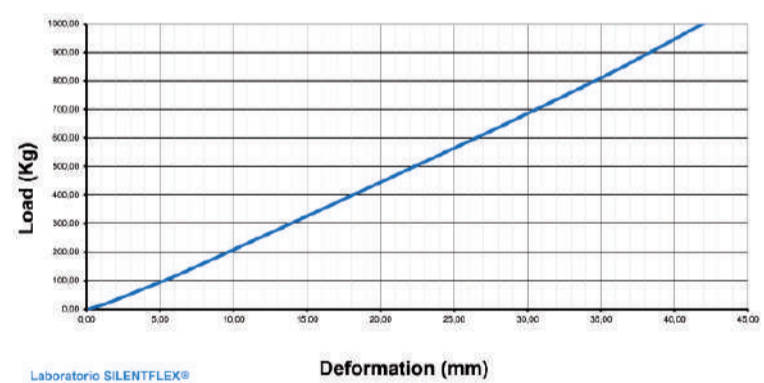
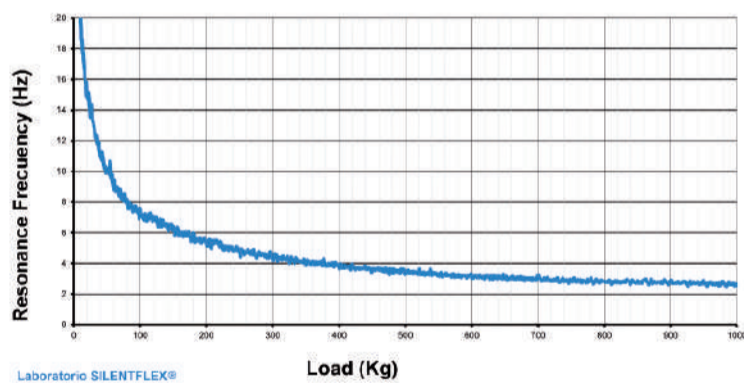
## STANDARS ISOLATORS

Resonance Frequency at working point: **3,5 – 4,5 Hz**  
Max. working load: **700 Kg**



## SPECIAL ISOLATORS

Resonance Frequency at working point: **2,5 - 3,5 Hz**  
Max. working load: **700 Kg**



## DAMPING

Resistant to active agents: corrosives, oils, water, etc.

Operates under extreme temperatures of  $-70^{\circ}\text{C} + 300^{\circ}\text{C}$

Buffer stability: constant natural frequency under a wide range of loads (unlike elastomeric shock absorbers).

- 1 Silentflex® floating slab includes final leveling, so that Tejasa TC S.L. can verify that there are no mechanical joints after concrete hardening. This allows Tejasa TC S.L. to guarantee vibration-free installations.

Our guarantee means:

a) Once the Silentflex® floating slab is built, the customer has 1 month to check legal standard compliance for noise and vibration for the floating slab. In case of non-compliance, Tejasa TC S.L. takes care of spring-isolators replacement until compliance is achieved at no additional cost to the customer. Further, if legal compliance should prove impossible, Tejasa TC S.L. will issue a full refund and remove the isolators, covering all transportation costs.

b) 10 year guarantee to cover manufacturing defects on isolators supplied by Tejasa TC S.L., replacing all isolators with faults with no transportation costs for the customer.

- 
- 2 Silentflex® floating slab can be leveled with equipment in place; i.e. Silentflex® floating slab can be raised and lowered.

- 
- 3 If equipment is fixed onto the slab, the structural stiffness increases.

- 
- 4 The effective center of gravity for equipment placed on Silentflex® floating slab decreases, increasing overall stability for those machines. An additional increment of balance is achieved because the isolating supports do not depend on individual machine size and geometry, but slab surface, separating isolating supports as much as possible.

- 
- 5 Silentflex® floating slab can ameliorate off-center of gravity problems.

- 
- 6 Silentflex® floating slab also helps to distribute individual loads better, increasing global balance and making load spread more uniform.

- 
- 7 Silentflex® floating slab reduces vibrations so effectively compared to traditional methods that equipment breakdowns are minimized.

- 
- 8 SOUND AND IMPACT ACCORDING WITH ISO 717-2 - AIR NOISE SOUNDPROOFING IS 55 DB.  
Our system achieves the highest acoustic attenuation of all standard vibration floating floors.

- 
- 9 Our quick access containers allow easy replacement of the silentblock to adapt to changing loads over the working life of the slab. This includes new vibration frequencies.