



FZH2M + SYLOMER®

INSTALLATION STEPS



MECANOCAUCHO

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INSTALLATION VIDEO

ADDITIONAL INFORMATION

The AMC Mekanocaucho team has created a video that will help with the installation process.

Apart from this, it is important to follow the steps indicated in more detail in this technical documentation.



If there are any doubts regarding the installation process, do not hesitate to contact the technical department of AMC Mekanocaucho.

SCAN ME

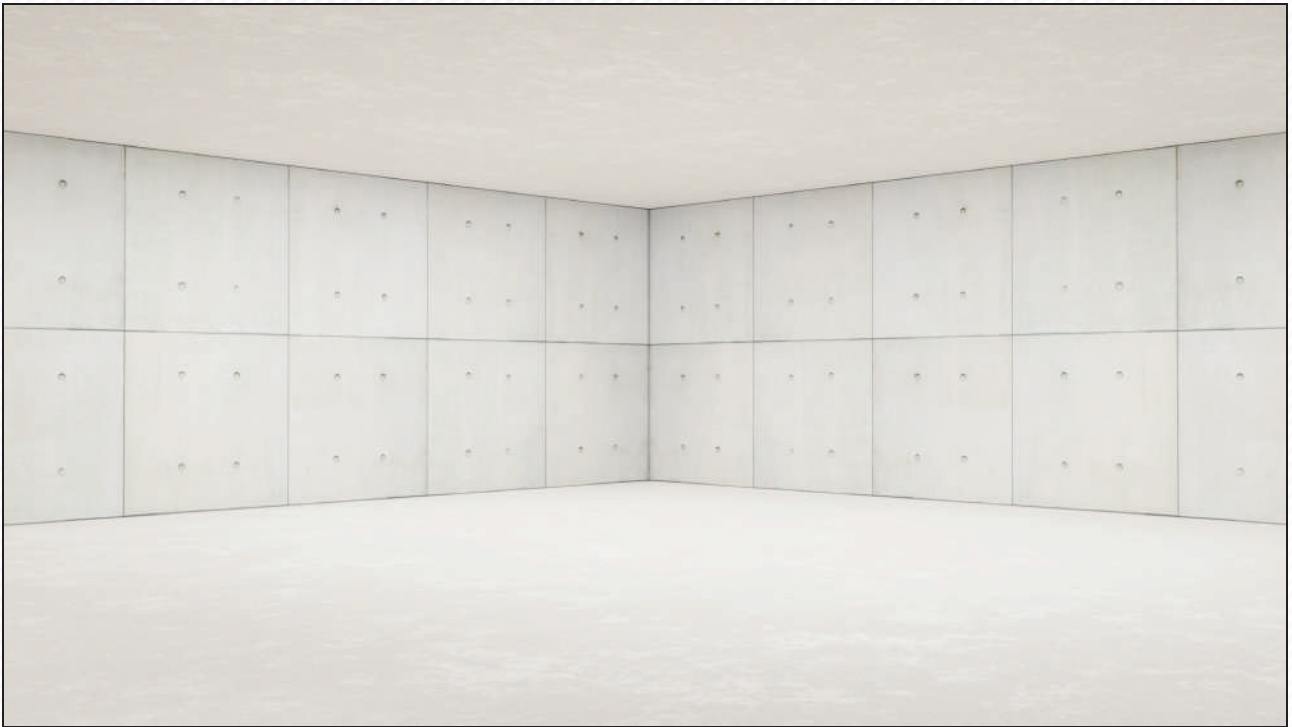


VIDEO QR

PRELIMINARY INFORMATION

ACCEPTABLE FF AND FL NUMBERS

Many architects and builders are faced everyday with the situation of defining the flatness and levelness of the concrete slabs in different projects. But what values are considered acceptable?



According to the standard ACI 302.1 published by the American Concrete Institute, the following FF and FL values are acceptable.

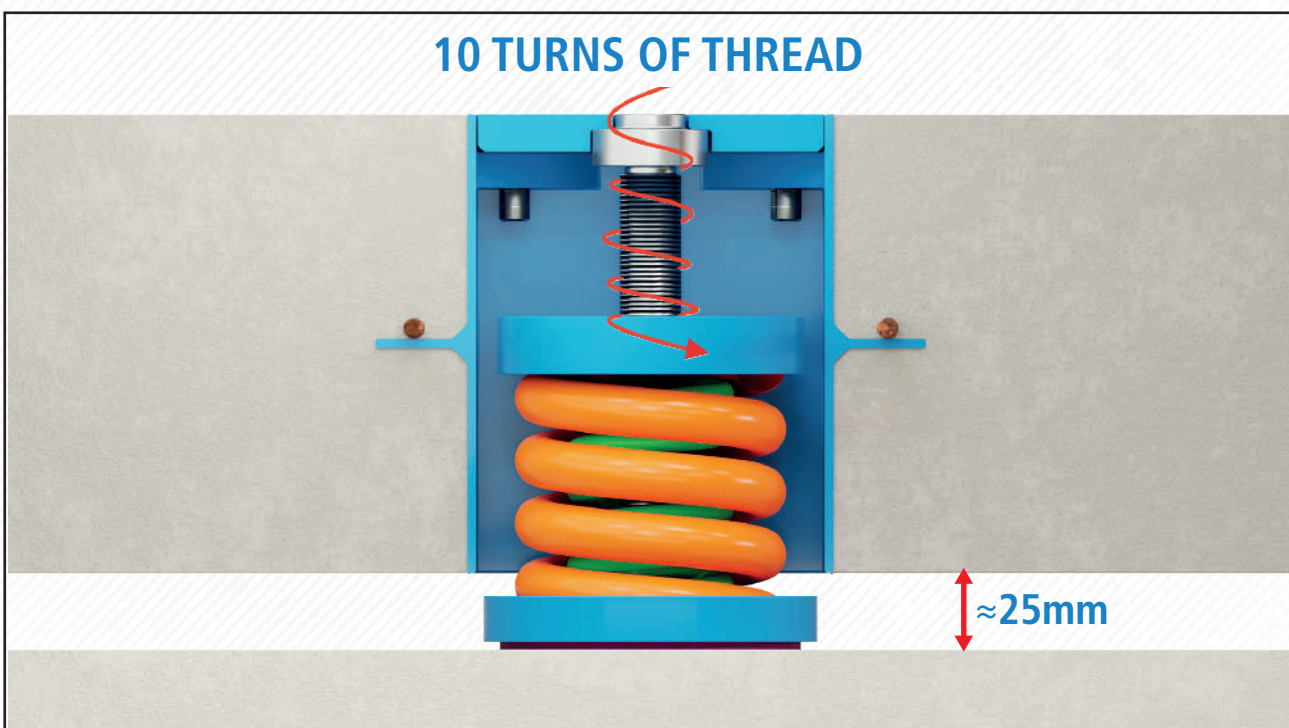
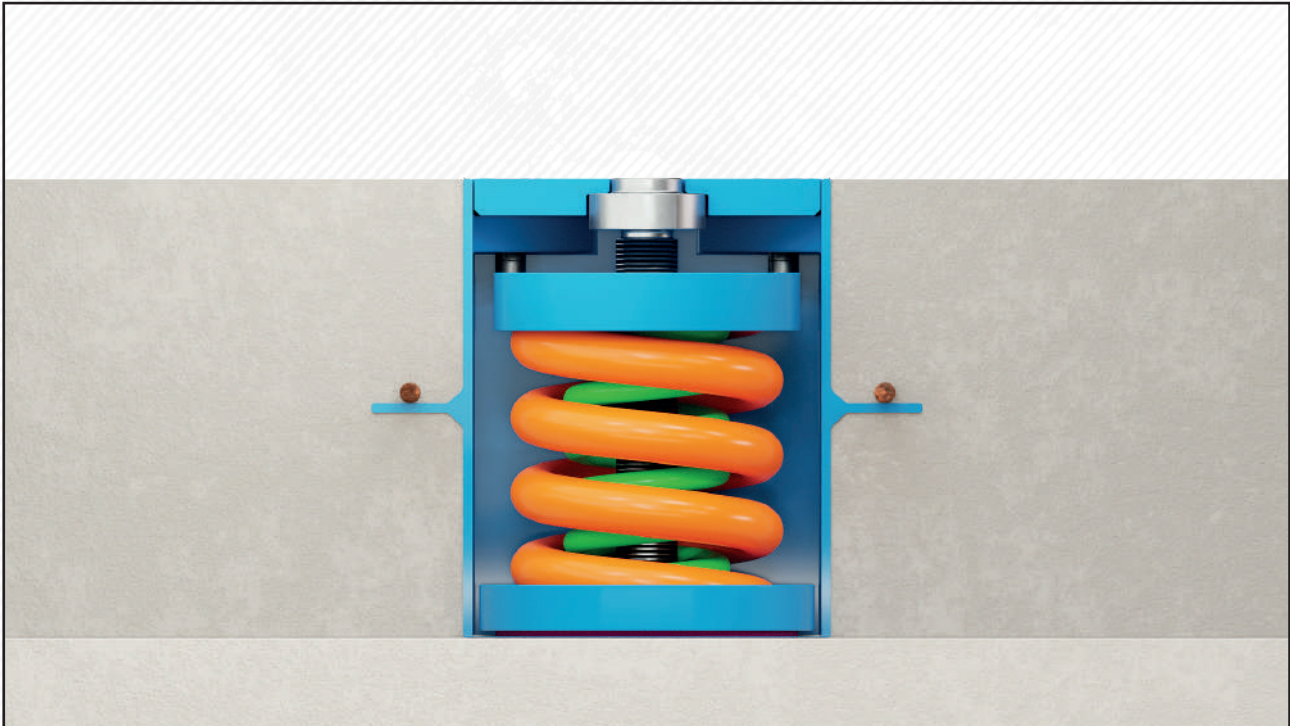
USAGE	FLOOR FLATNESS (FF)	FLOOR LEVELNESS (FL)
Noncritical spaces, mechanical rooms, back-of-house, parking, areas to receive thick-set tile	FF 20	FL 15
General office, light industrial, carpeted spaces	FF 25	FL 20
General warehouse floors, areas to received thin-set tile, laboratories	FF 30-35	FL 20-25
Warehouses with air-pallet use, ice rinks	FF 45	FL 35
Movie and television studios	FF 50	FL 50

FACTS ABOUT THE SLAB

ACOUSTIC PERFORMANCE

In terms of acoustic performance, these are the recommended levelings:

- To raise the slab $\approx 25\text{mm}$  10 turns of thread.



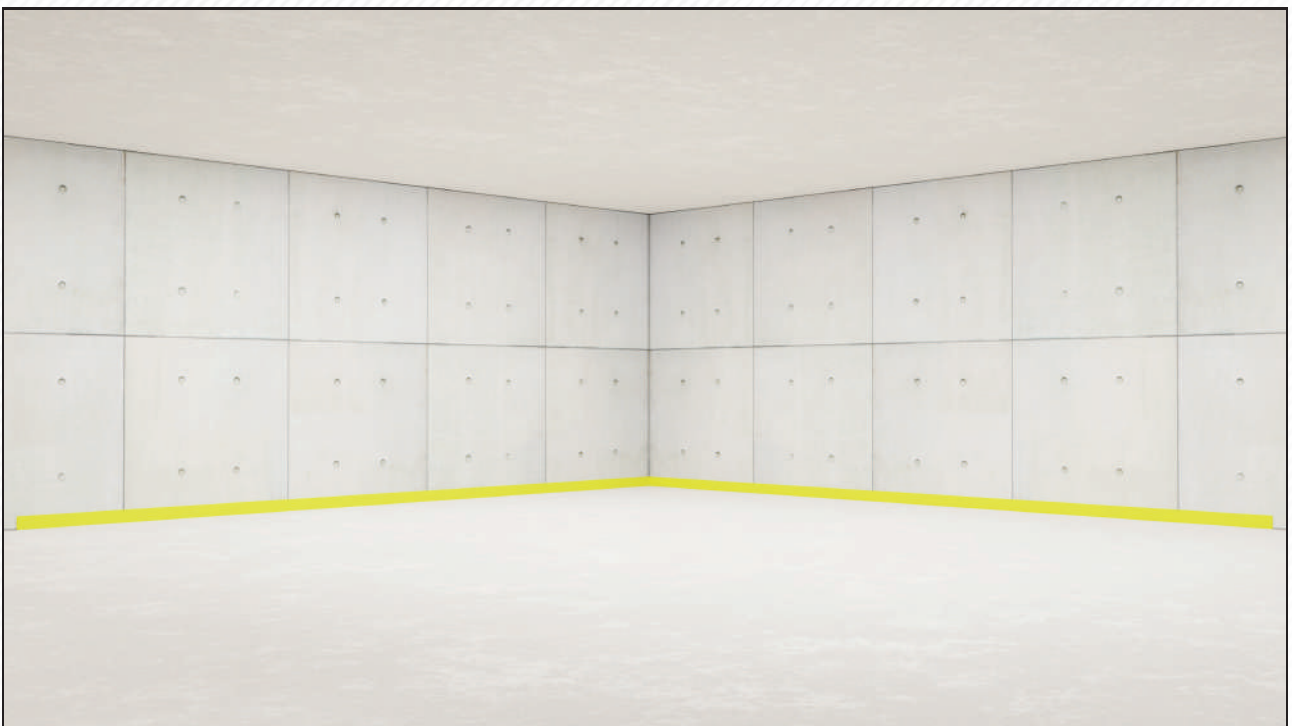
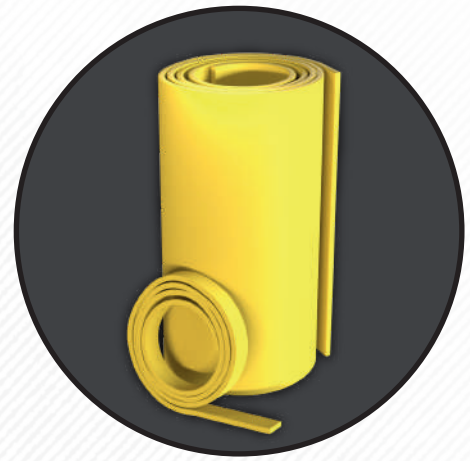
*If higher leveling height is required, please contact AMC's technical department and they will be happy to discuss a suitable solution.

STEP 1

PERIMETER INSULATING BAND

Install a perimeter insulating band.

*The height of the Sylomer® must be: Height of the slab + mm to be lifted.



STEP 2

POLYETHYLENE FILM

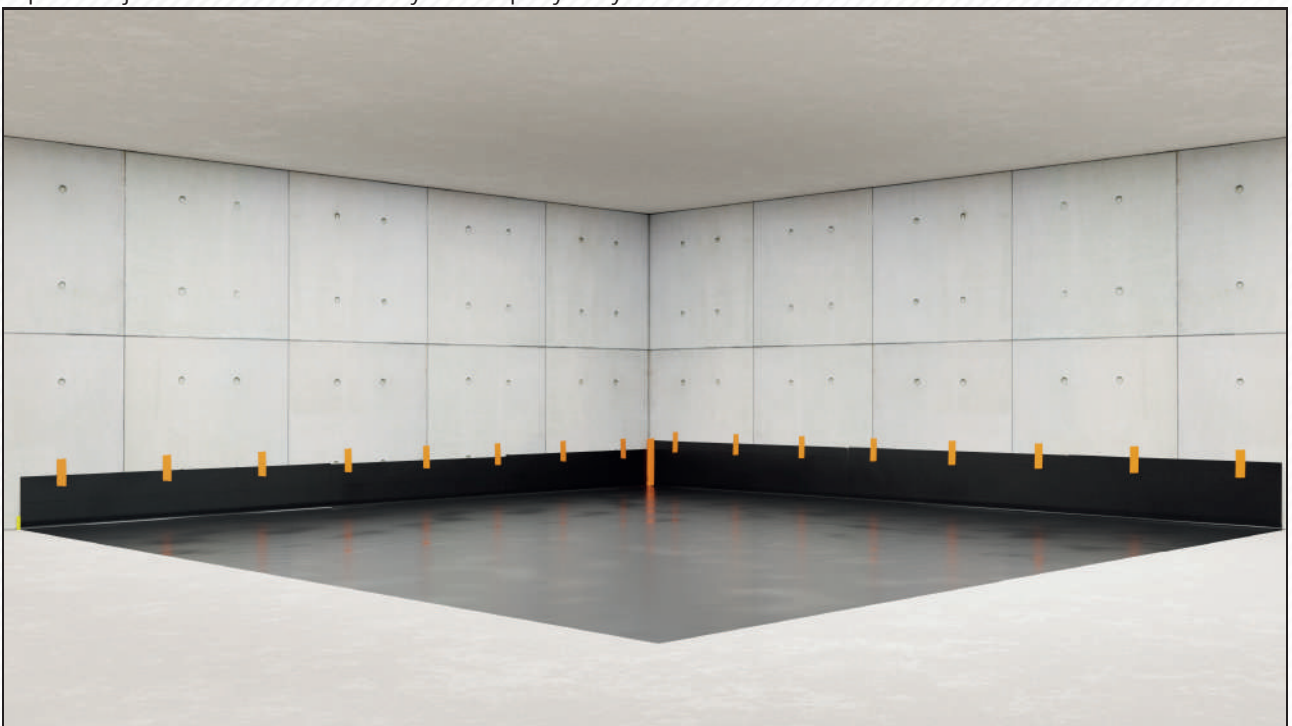
Install polyethylene film on the entire surface of the floor and cover the baseboards.



*The height of the polyethylene must be higher than: Height of the slab + mm to be lifted.



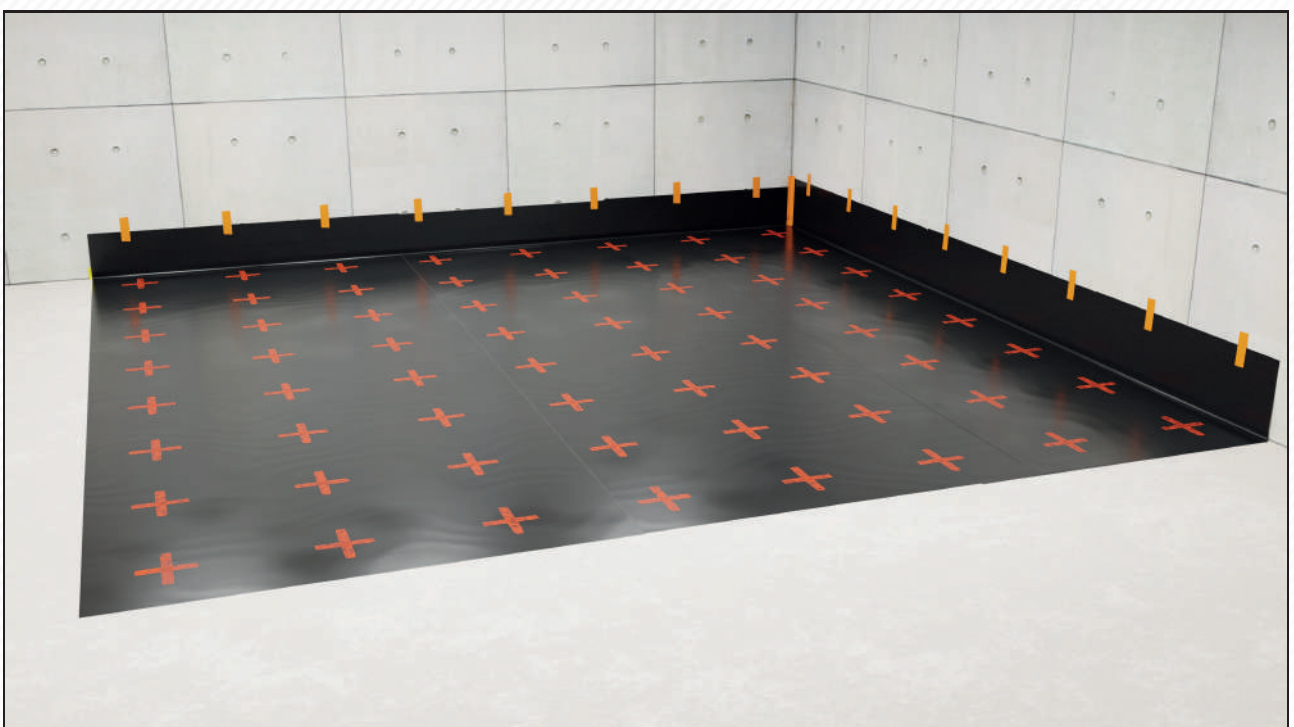
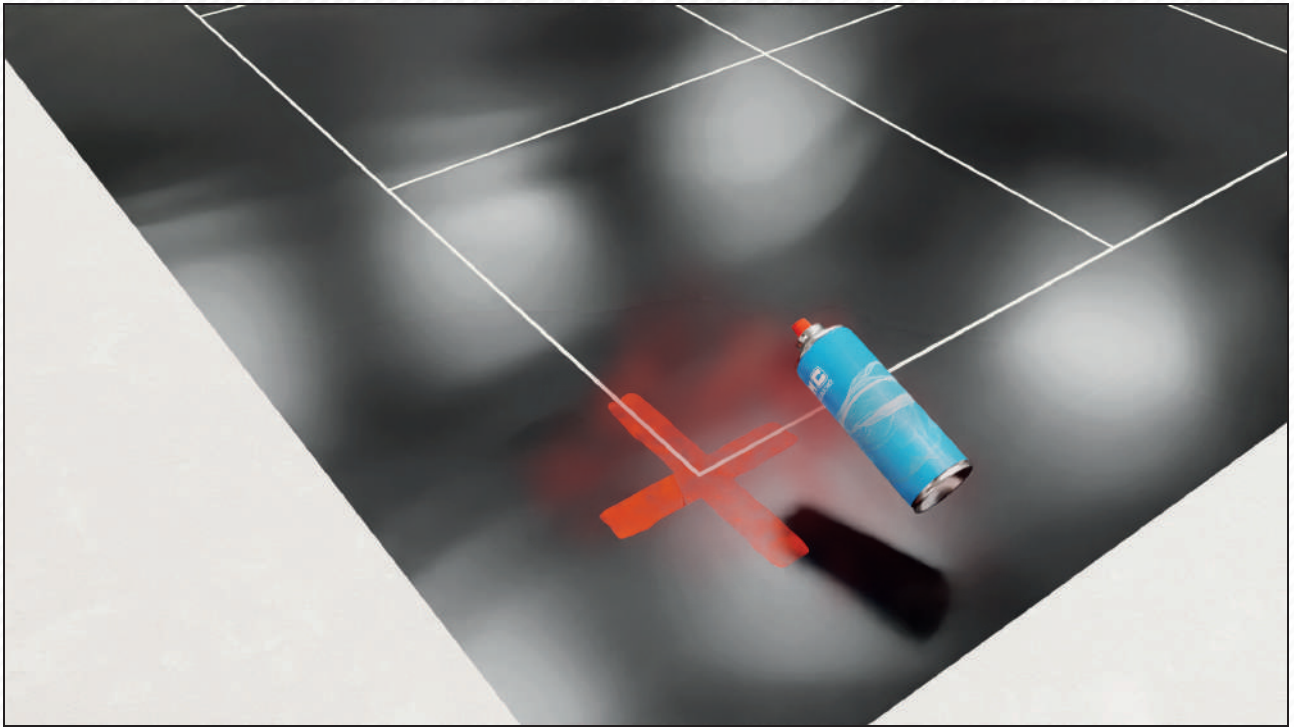
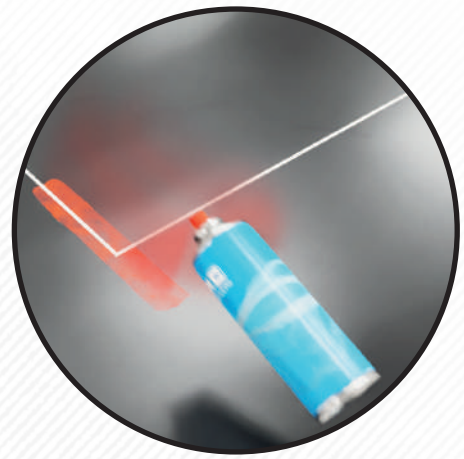
Tape the joints between the layers of polyethylene.



STEP 3

MARK THE POSITIONS

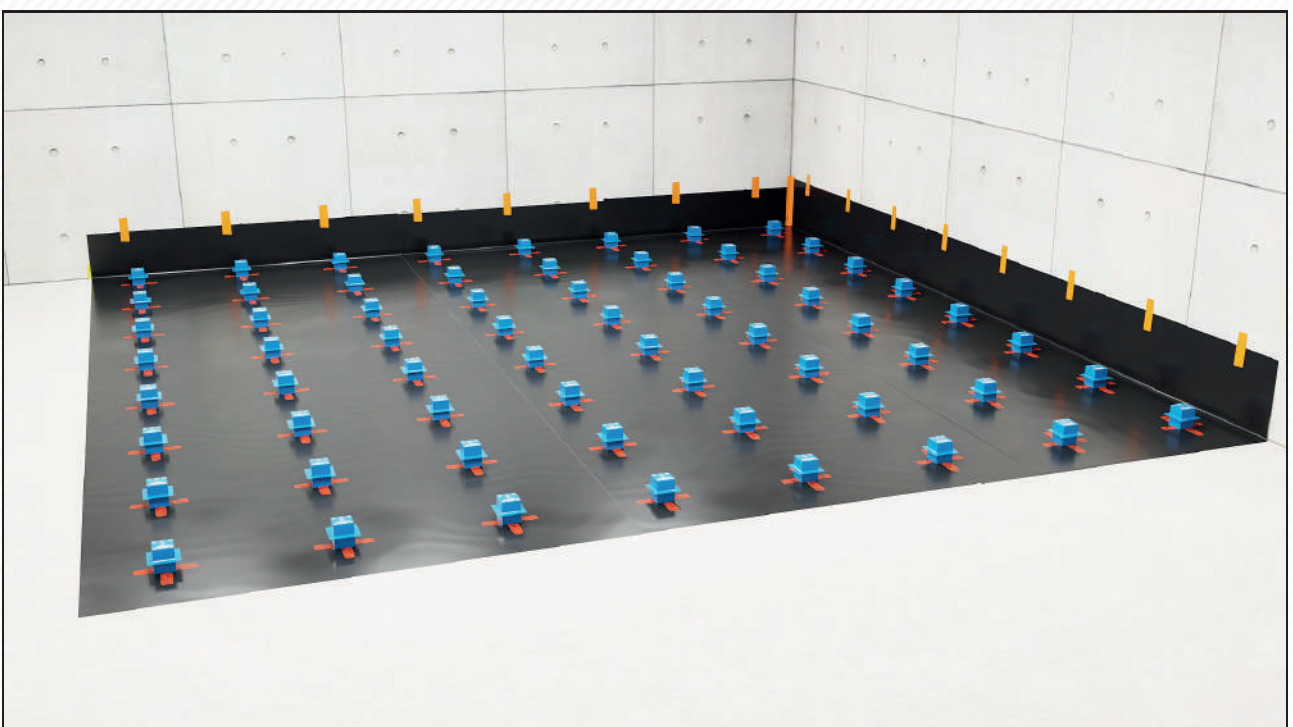
Mark the distances and positions indicated by the AMC Mekanocaucho technical department.



STEP 4

PLACE THE MOUNTS

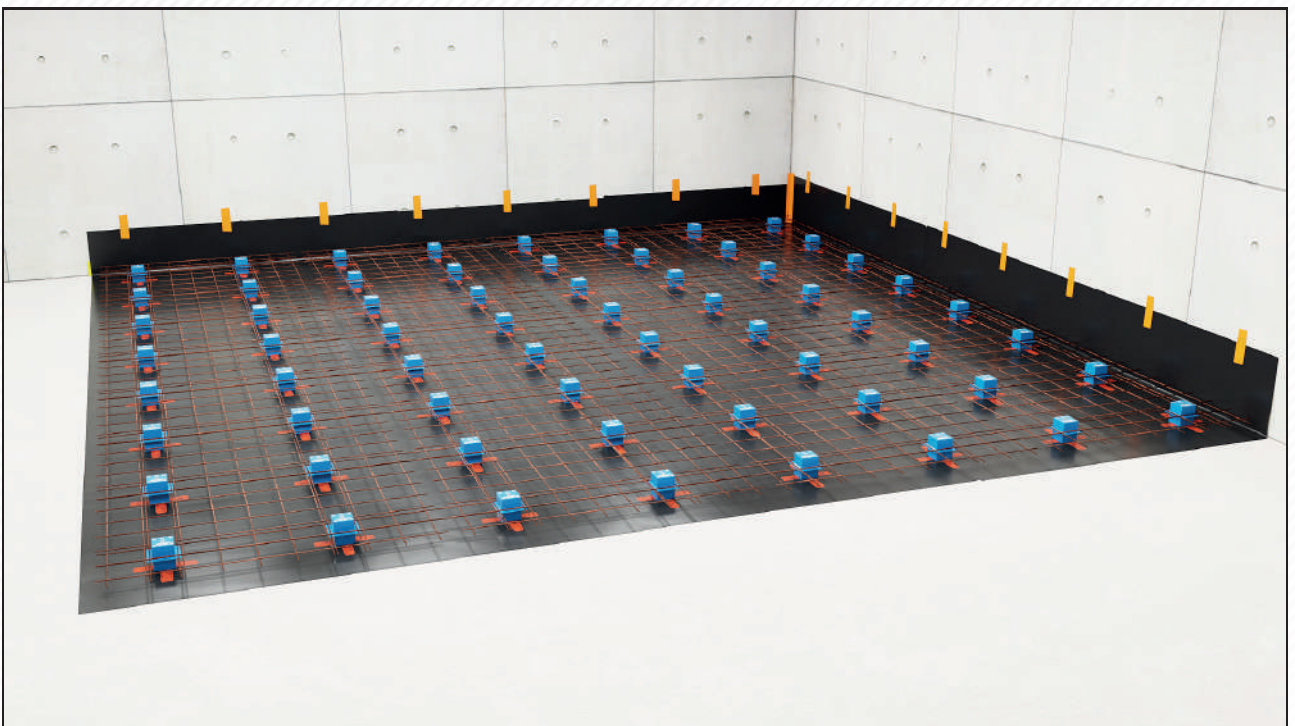
Place the mounts in their marked positions. All with the same orientation.



STEP 5

REINFORCING BARS

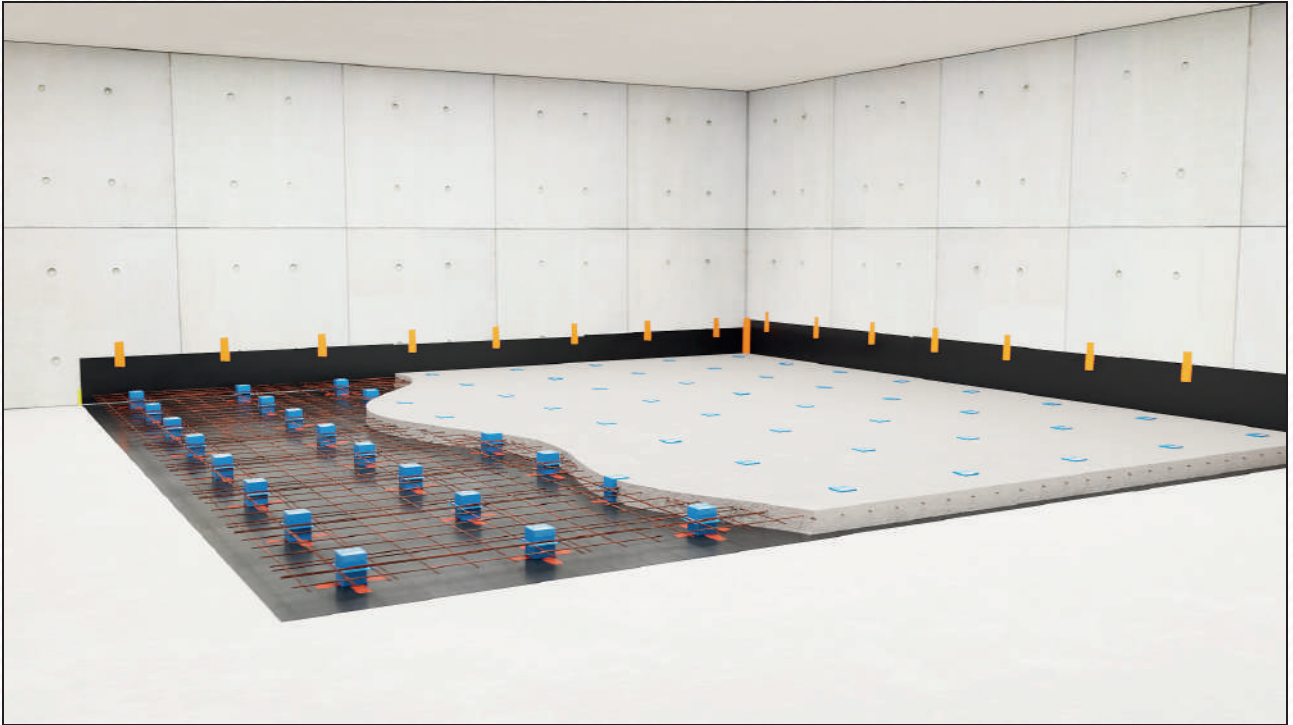
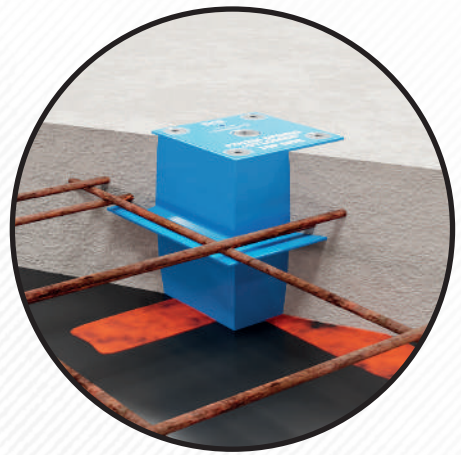
Place and tie the reinforcing bars on the mounts.
The reinforcing bars has to rest on the side lugs of the mounts.



STEP 6

CONCRETE SLAB

Carry out the pouring of concrete and level the surface as much as possible.



STEP 7

REMOVING THE STICKER

Cut off the protective sticker to get access to the levelling rod.



STEP 8

LEVELLING THE SLAB

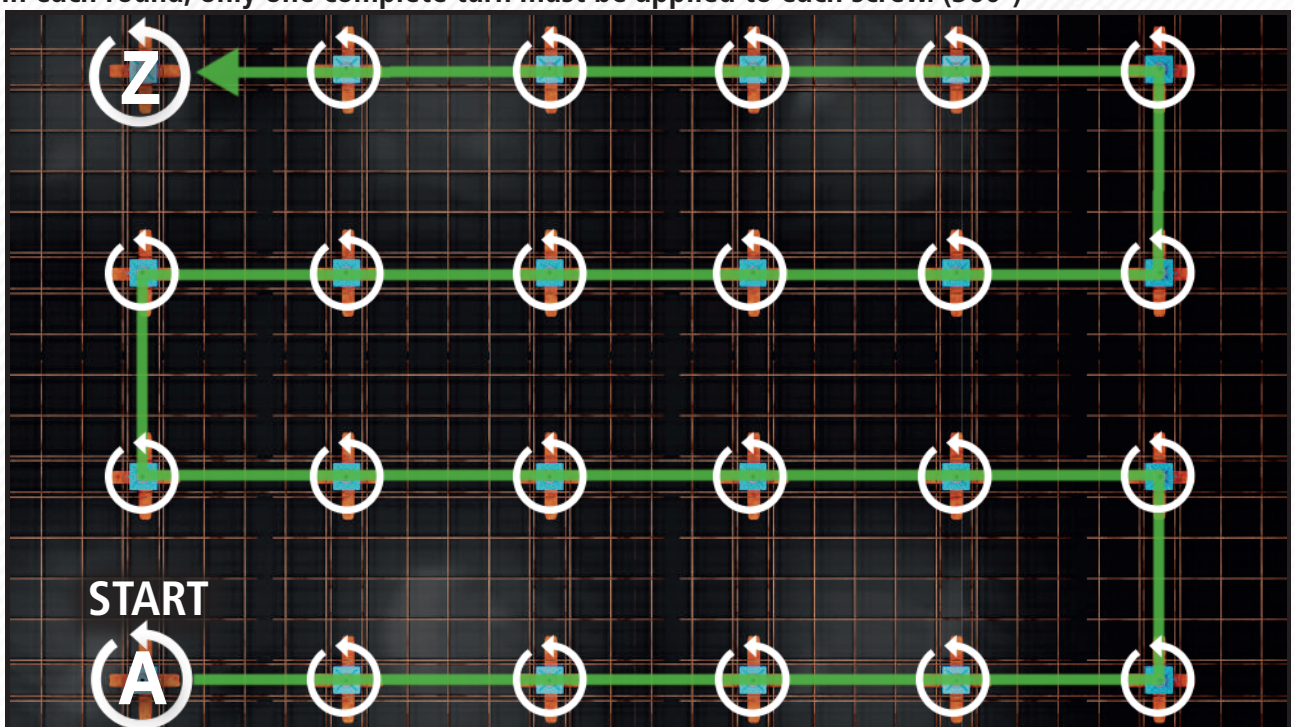
Start with levelling. The levelling of the slab must be carried out according to the following guidelines.



Start with the first mount. Make one complete turn of the thread (360°).

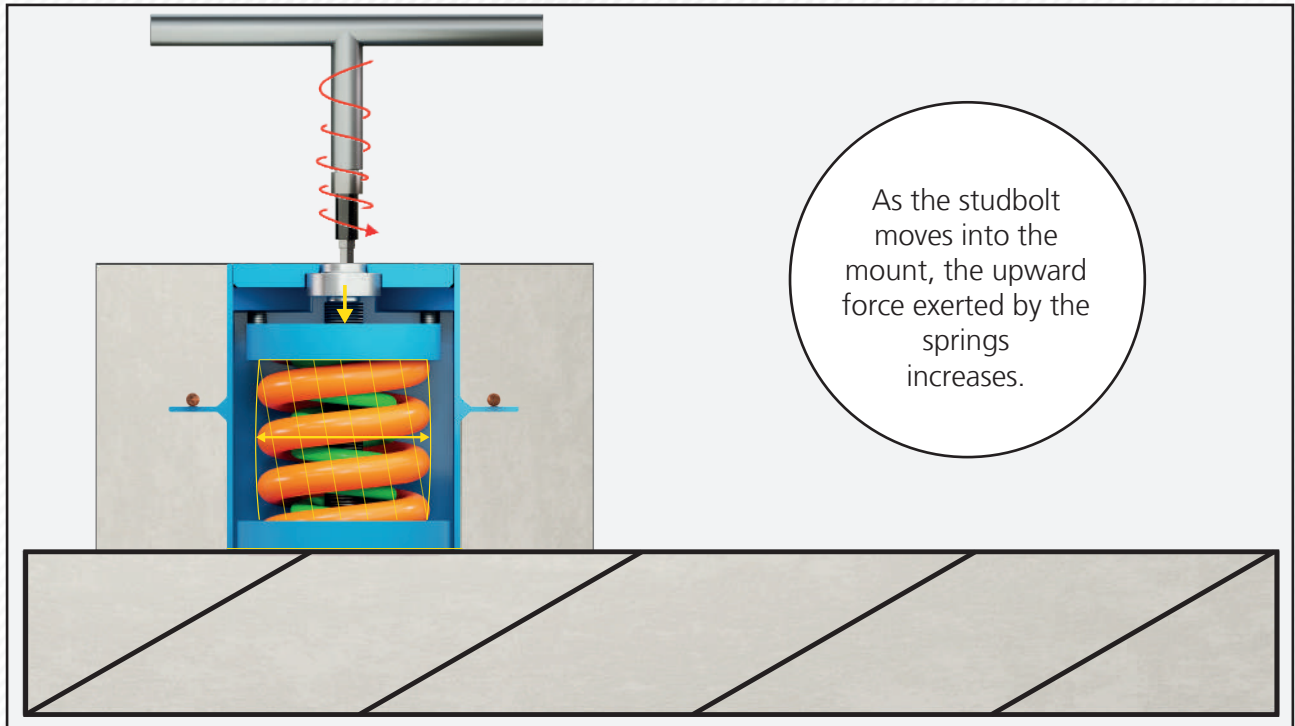
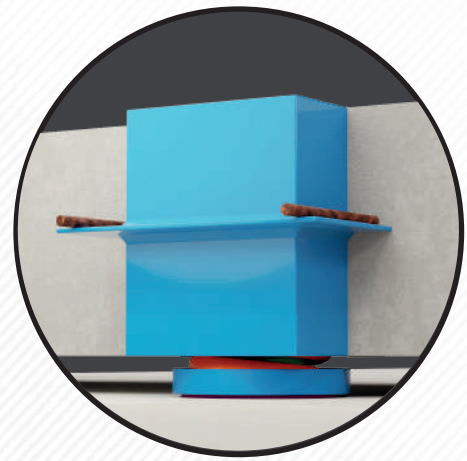


Continue levelling following the pattern below, making rounds from **A** to **Z**.
In each round, only one complete turn must be applied to each screw. (360°)

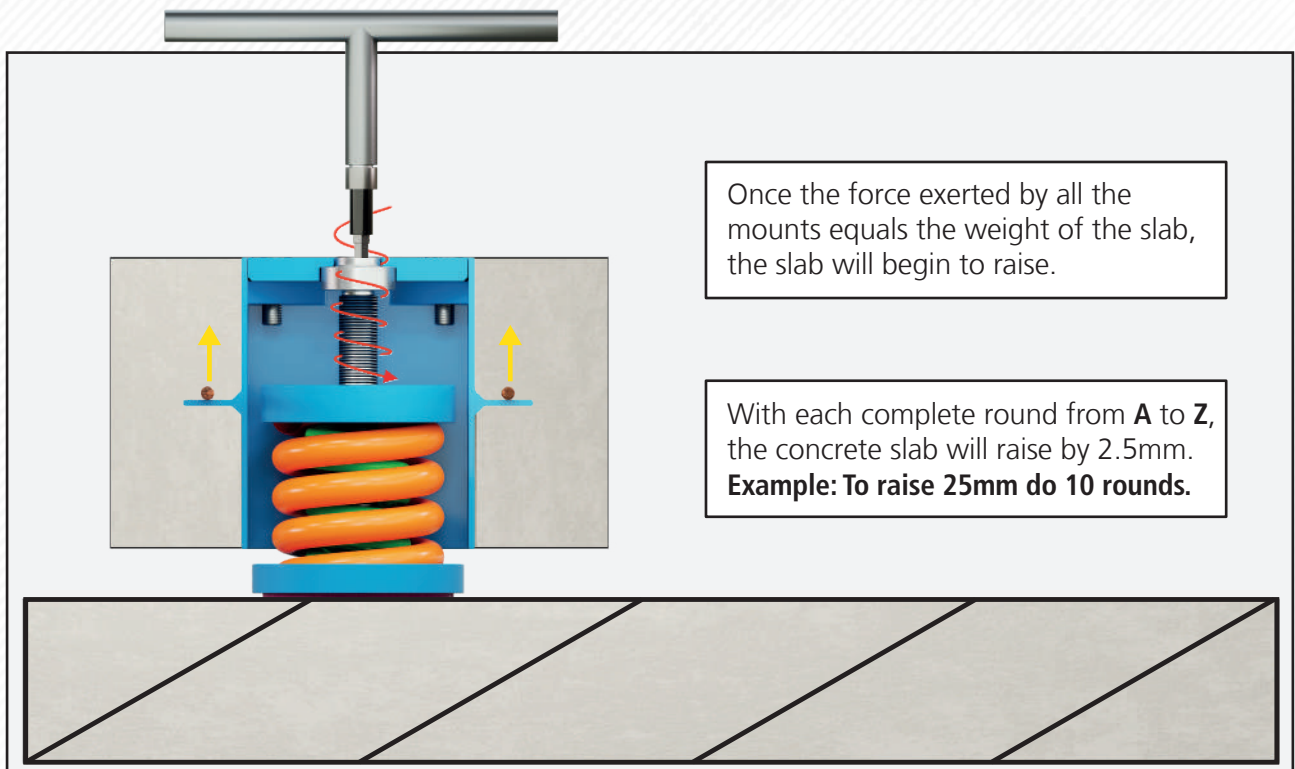


ACHIEVE THE DESIRED LEVELLING

It should be noted that the slab will not be lifted up at the initial tightening of the studbolt. This will only preload the spring.



As the studbolt moves into the mount, the upward force exerted by the springs increases.



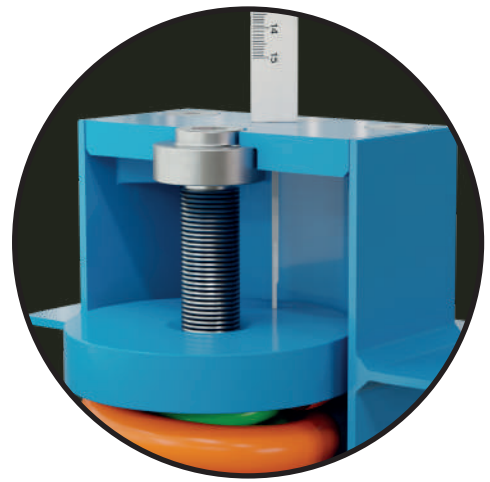
Once the force exerted by all the mounts equals the weight of the slab, the slab will begin to raise.

With each complete round from **A** to **Z**, the concrete slab will raise by 2.5mm.
Example: To raise 25mm do 10 rounds.

STEP 9

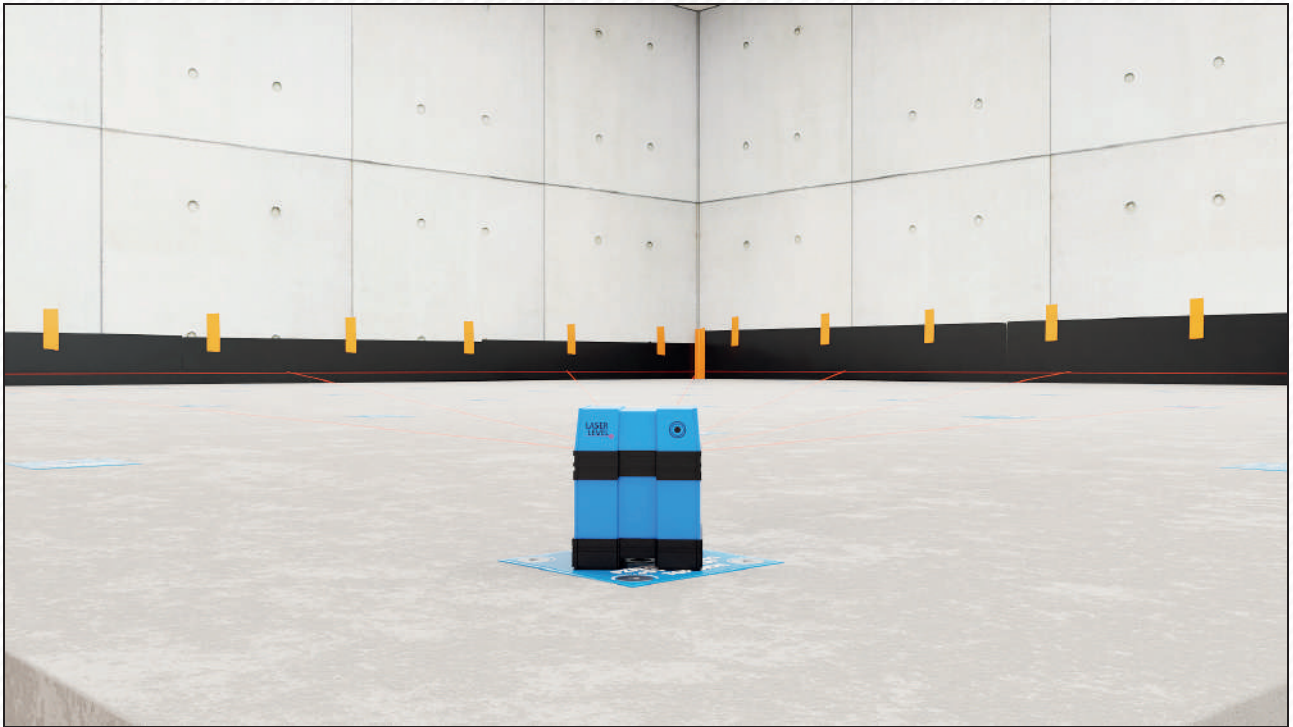
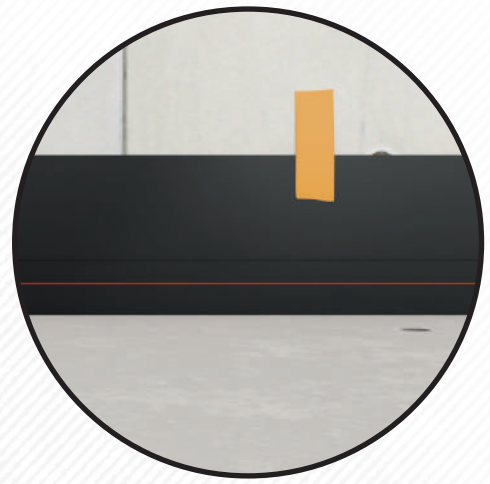
CHECK THE LEVEL

It is recommended to measure the elevation by inserting a caliper into the slot of each mount.



CHECK THE LEVEL

Use a laser to check the level of the slab.
If there is a significant unevenness, please contact the
technical department of AMC.



STEP 10

LEFTOVER POLYETHYLENE FILM

Cut the excess polyethylene film that remains on top of the slab.





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