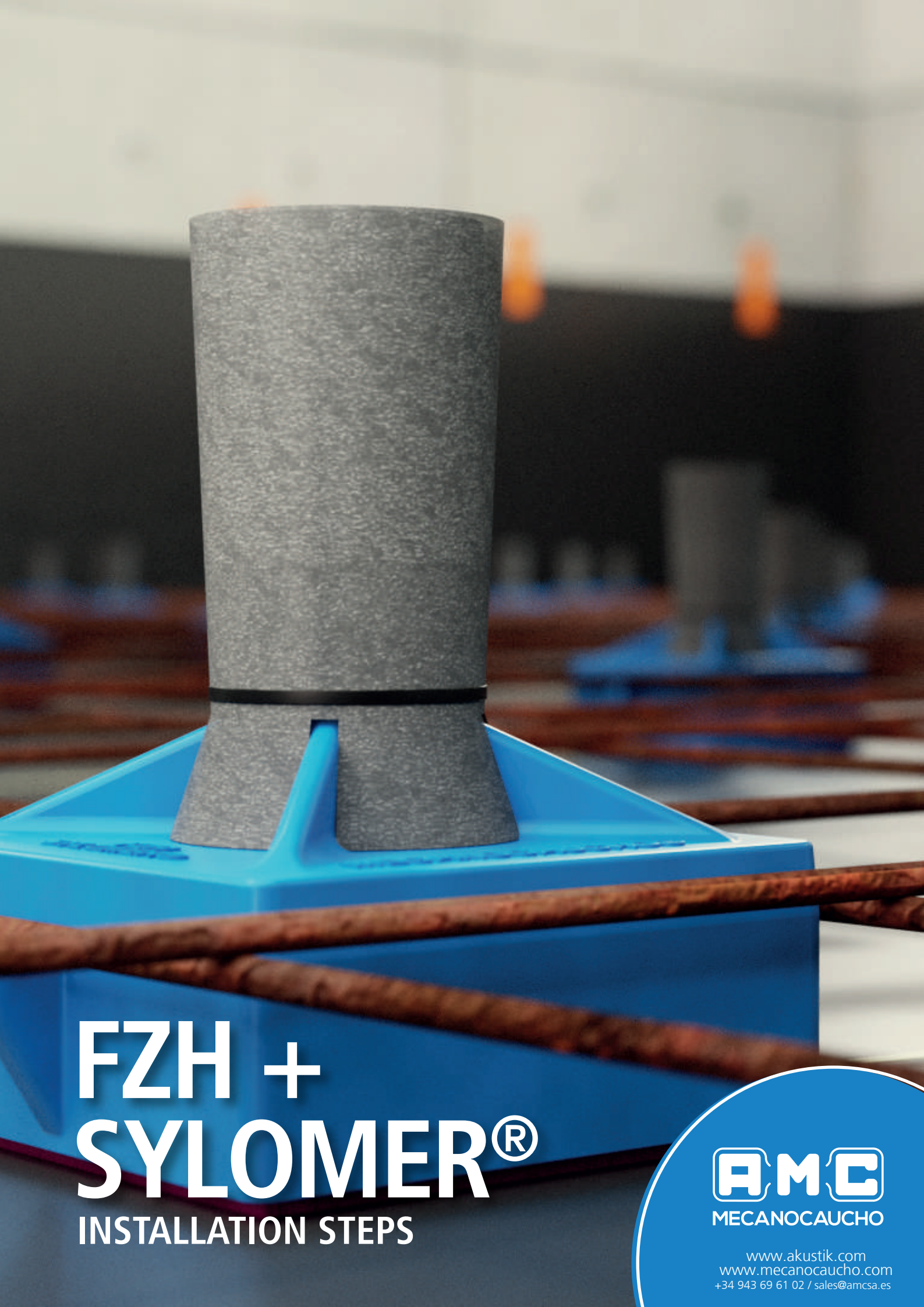




FZH + SYLOMER®

INSTALLATION STEPS



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www.mecanocaucho.com
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SUMMARY

1. SUMMARY

2. INSTALLATION VIDEO

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

3. ACCEPTABLE FF AND FL NUMBERS

A. What FF and FL values are considered acceptable?

4. FACTS ABOUT THE SLAB

5. PERIMETER INSULATING BAND

A. Install a perimeter insulating band.

6. POLYETHYLENE FILM

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

B. Tape the joints between the layers of polyethylene.

7. MARK THE POSITIONS

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

8. PLACE THE MOUNTS

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

9. REINFORCING BARS

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

10. CONCRETE SLAB

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

11. CUTTING ARMAFLEX

A. Cut the upper excess of the armax, to be able to extract the plug.

B. Extract the plug to get access to the levelling screw.

12. LEVELLING SCREW

A. Insert the levelling screw until it makes contact with the inner base. Continue turning until you will feel that the tightening torque increases.

13. LEVELLING THE SLAB

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

B. Start with the first mount. Make one complete turn of the thread (360°). This will raise 2.5mm.

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

14. ACHIEVE THE DESIRED LEVELLING

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

15. CHECK THE LEVEL

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

16. LEFTOVER POLYETHYLENE FILM

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

17. SAFETY LOCKING NUT

A. As a safety measure, it is advisable of applying a locking nut.

18. SEALING

A. Seal the levelling holes and the perimeter joint with silicone.

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

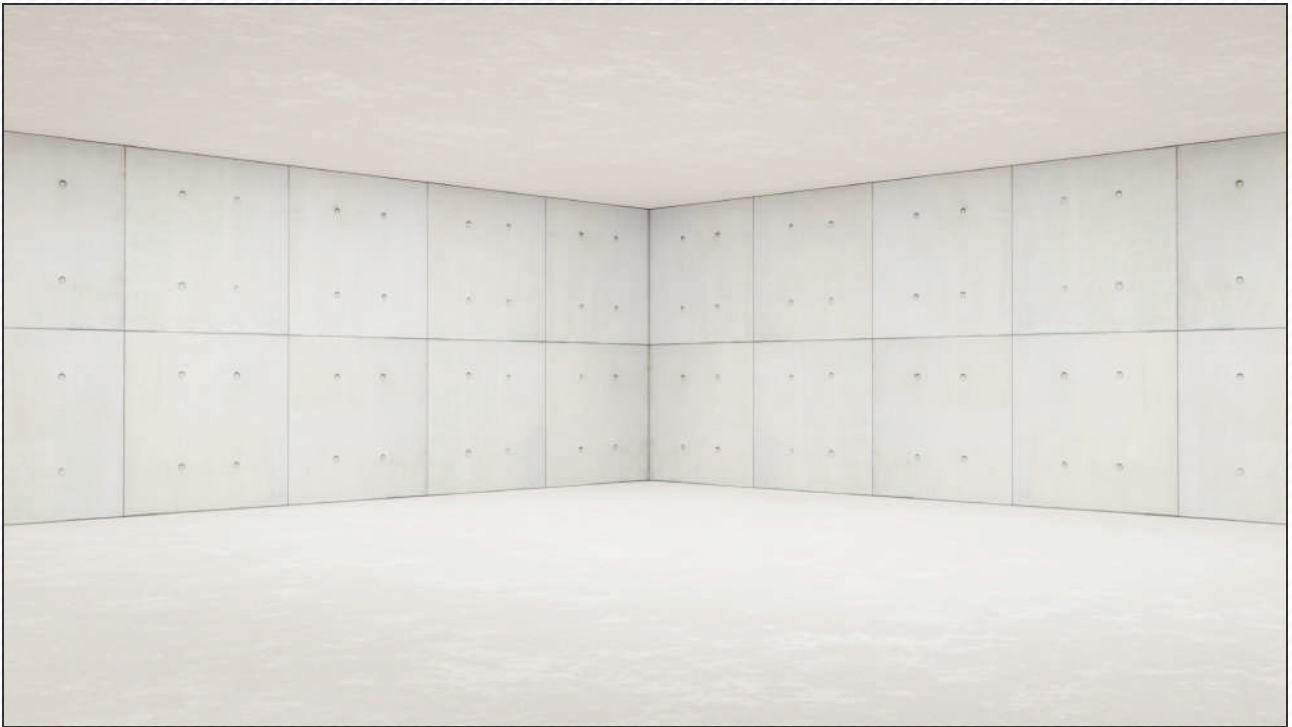


VIDEO QR

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.

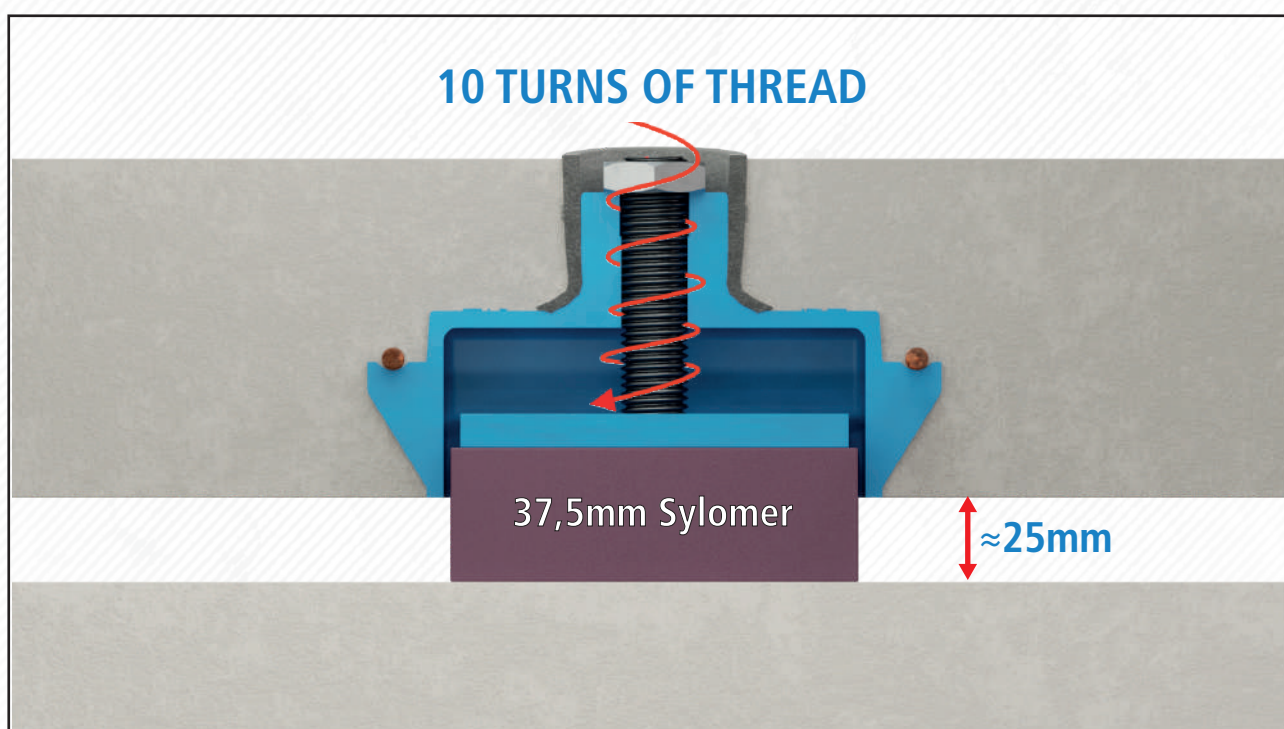
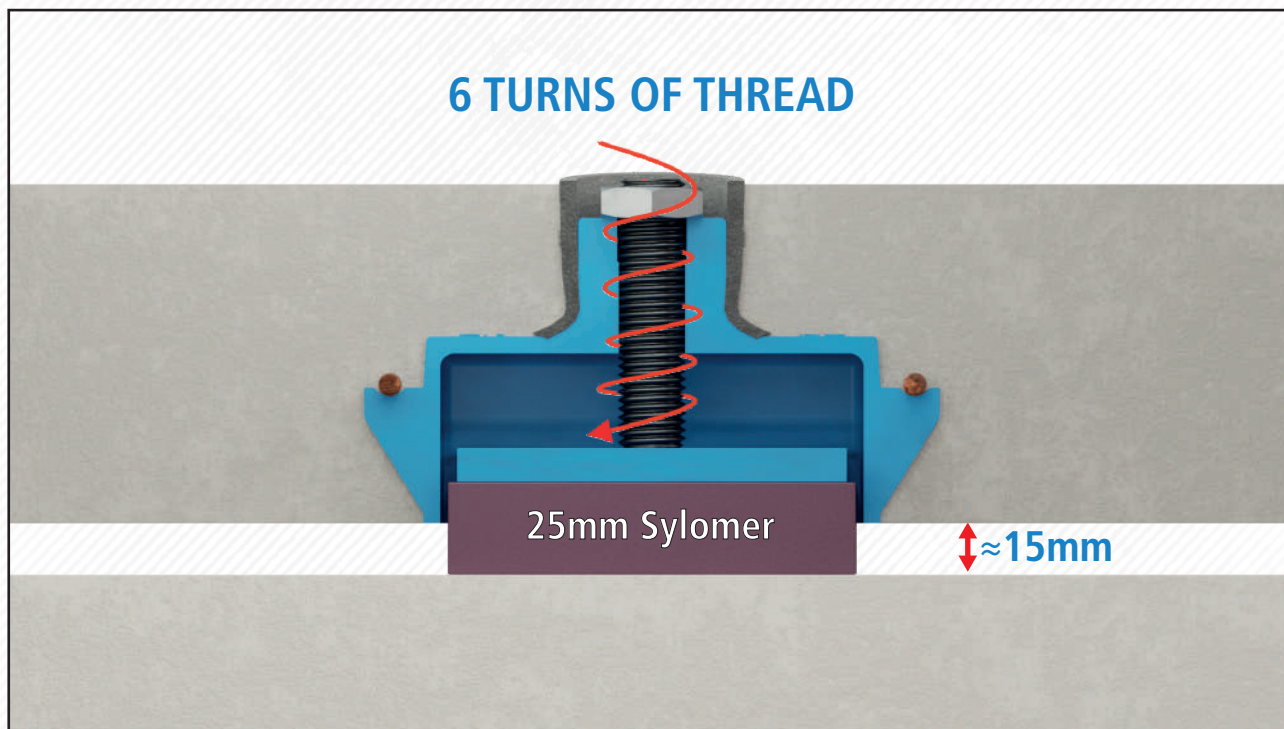
USAGE	FLOOR FLATNESS (FF)	FLOOR LEVELNESS (FL)
Noncritical spaces, mechanical rooms, back-of-house, parking, areas to receive thick-set tile	FF 20	FL 15
General office, light industrial, carpeted spaces	FF 25	FL 20
General warehouse floors, areas to received thin-set tile, laboratories	FF 30-35	FL 20-25
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:

- If 25mm Sylomer® → 6 turns of thread ($\approx 15\text{mm}$).
- If 37.5mm Sylomer® → 10 turns of thread ($\approx 25\text{mm}$).



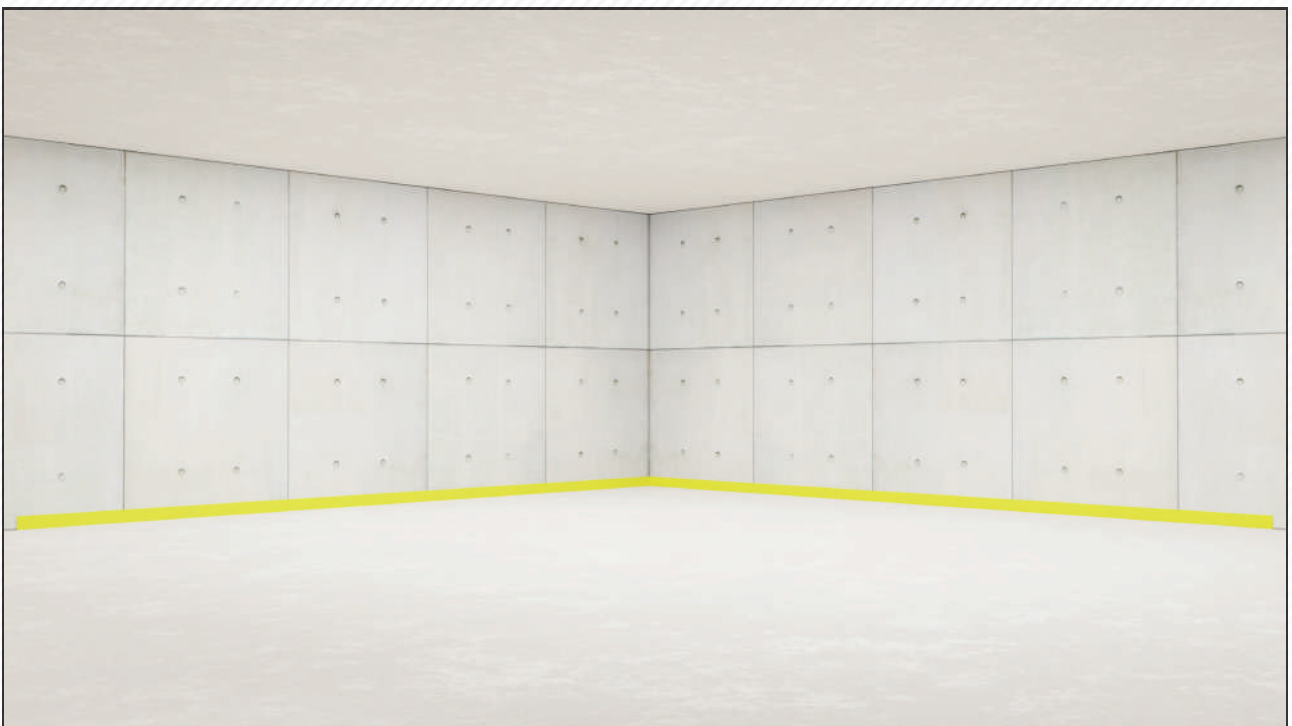
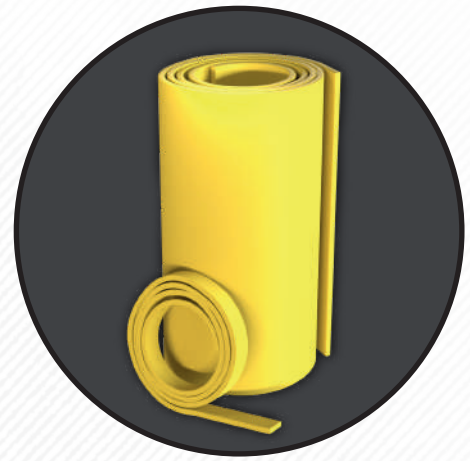
*If higher leveling height is required, please contact AMC's technical department and they will be happy to discuss a suitable solution.

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.



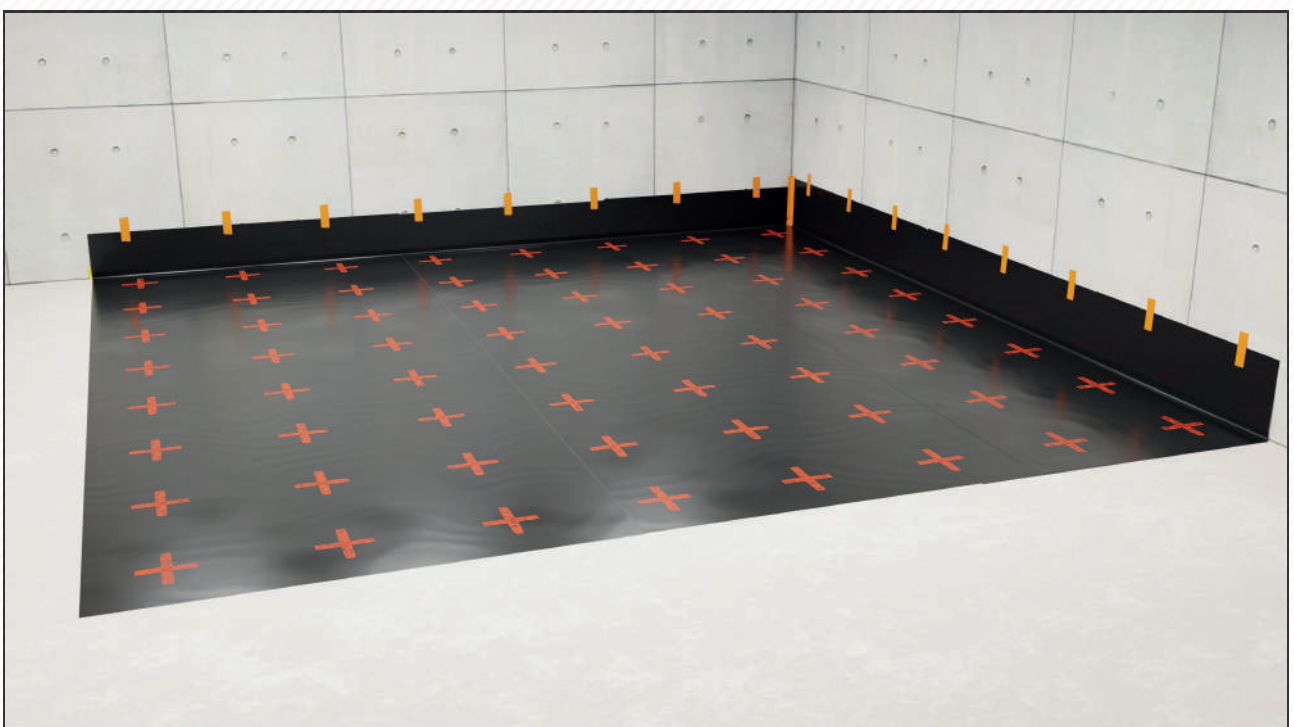
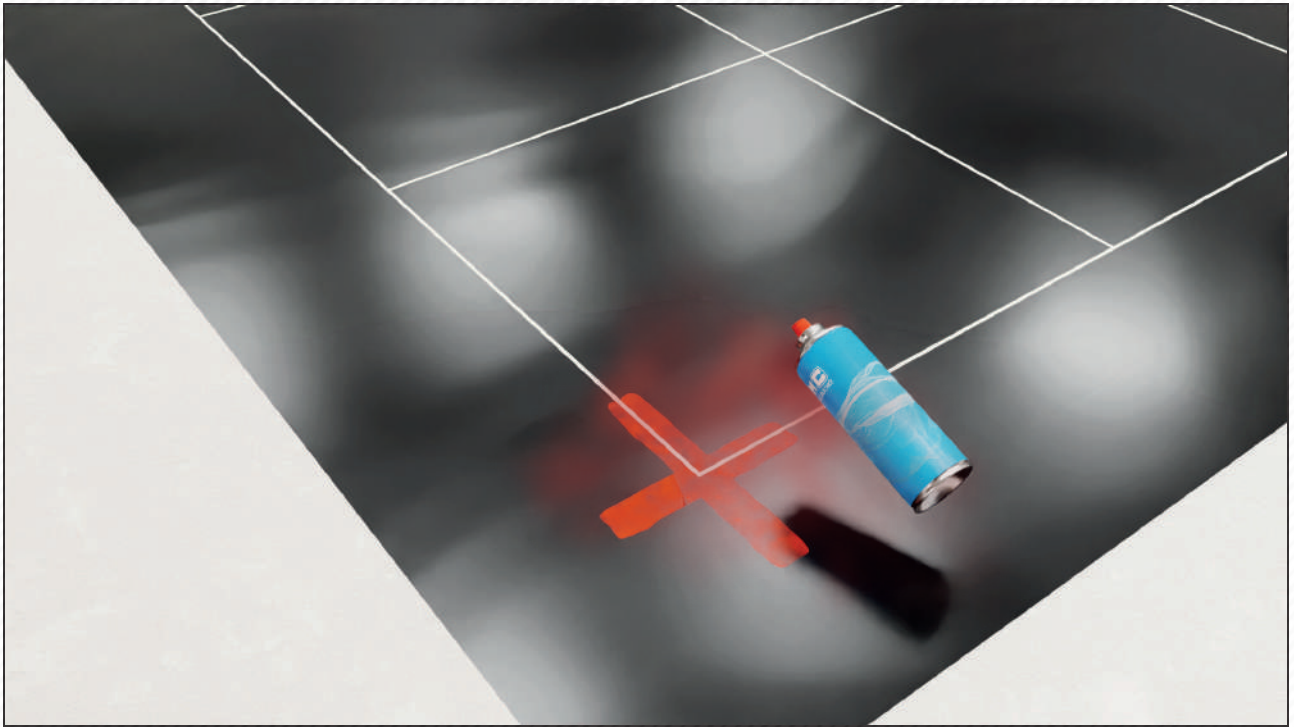
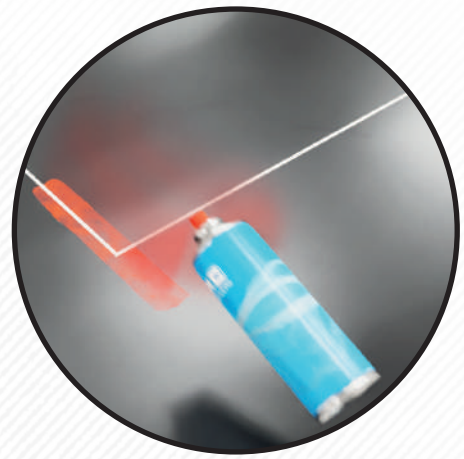
Tape the joints between the layers of polyethylene.



STEP 3

MARK THE POSITIONS

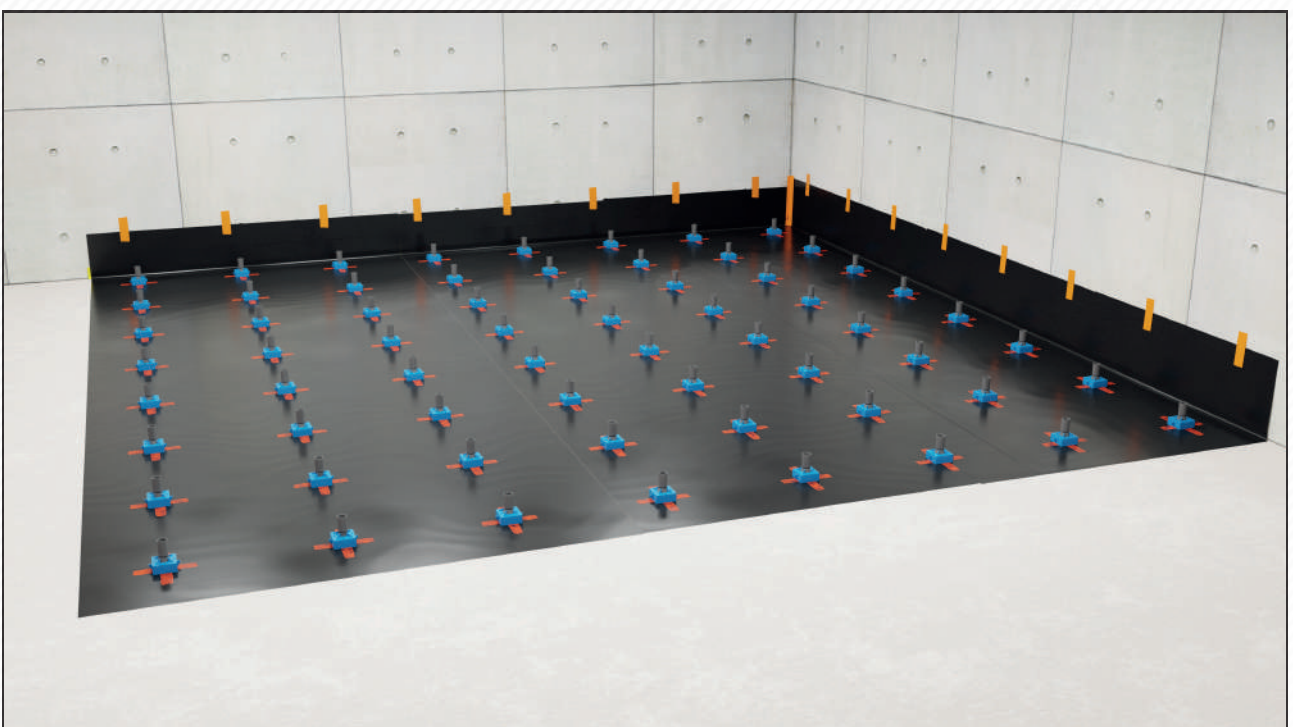
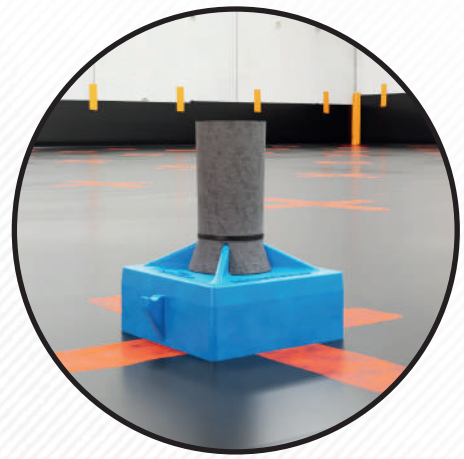
Mark the distances and positions indicated by the AMC Mekanocaucho technical department.



STEP 4

PLACE THE MOUNTS

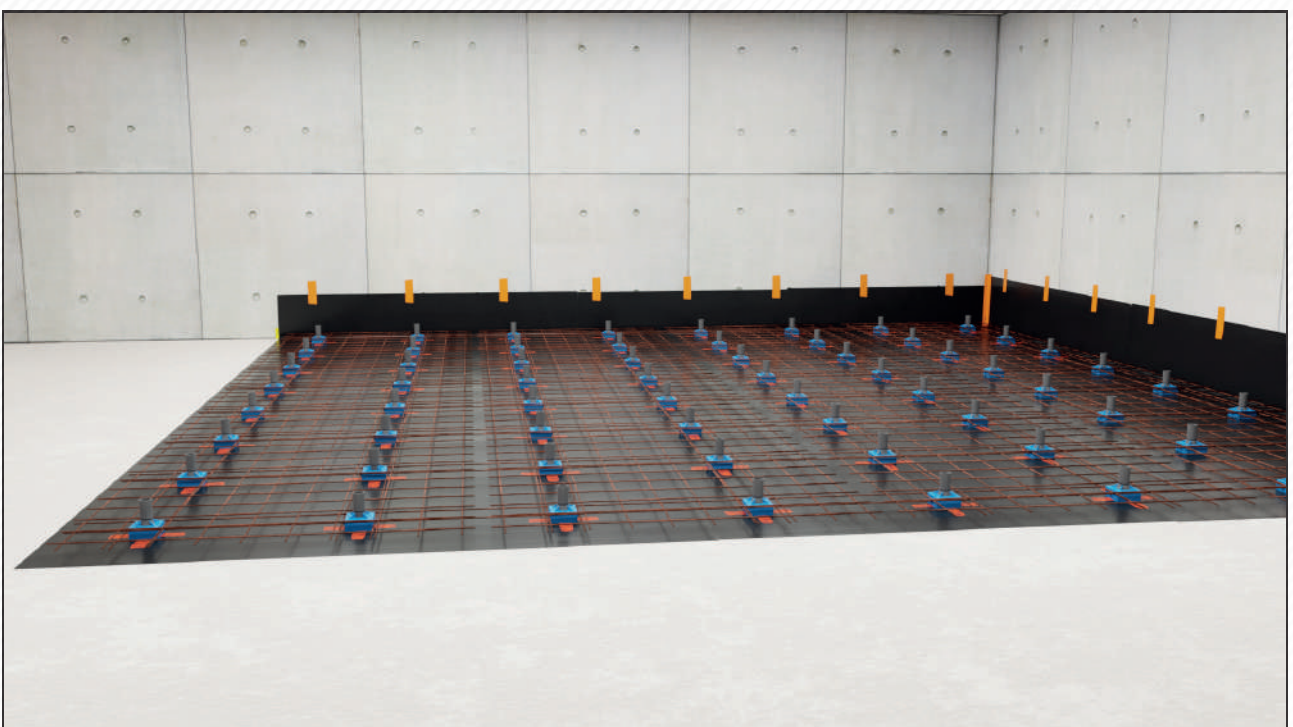
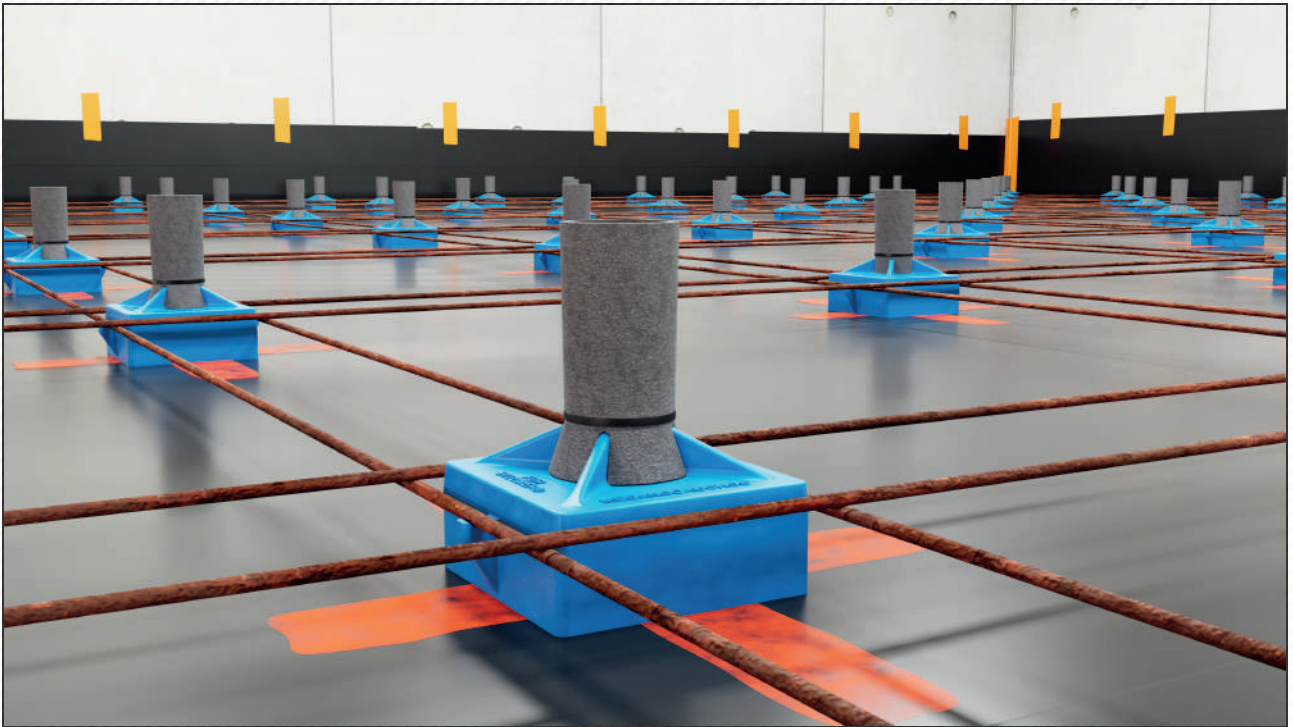
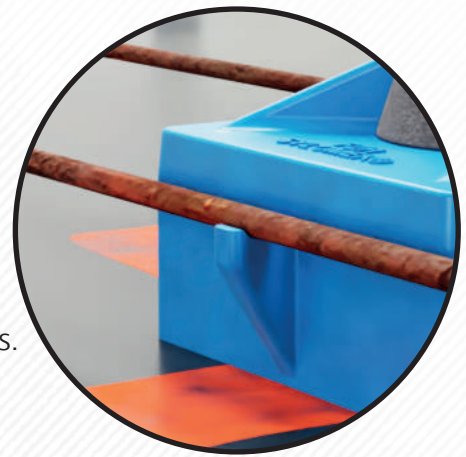
Place the mounts in their marked positions. All with the same orientation.



STEP 5

REINFORCING BARS

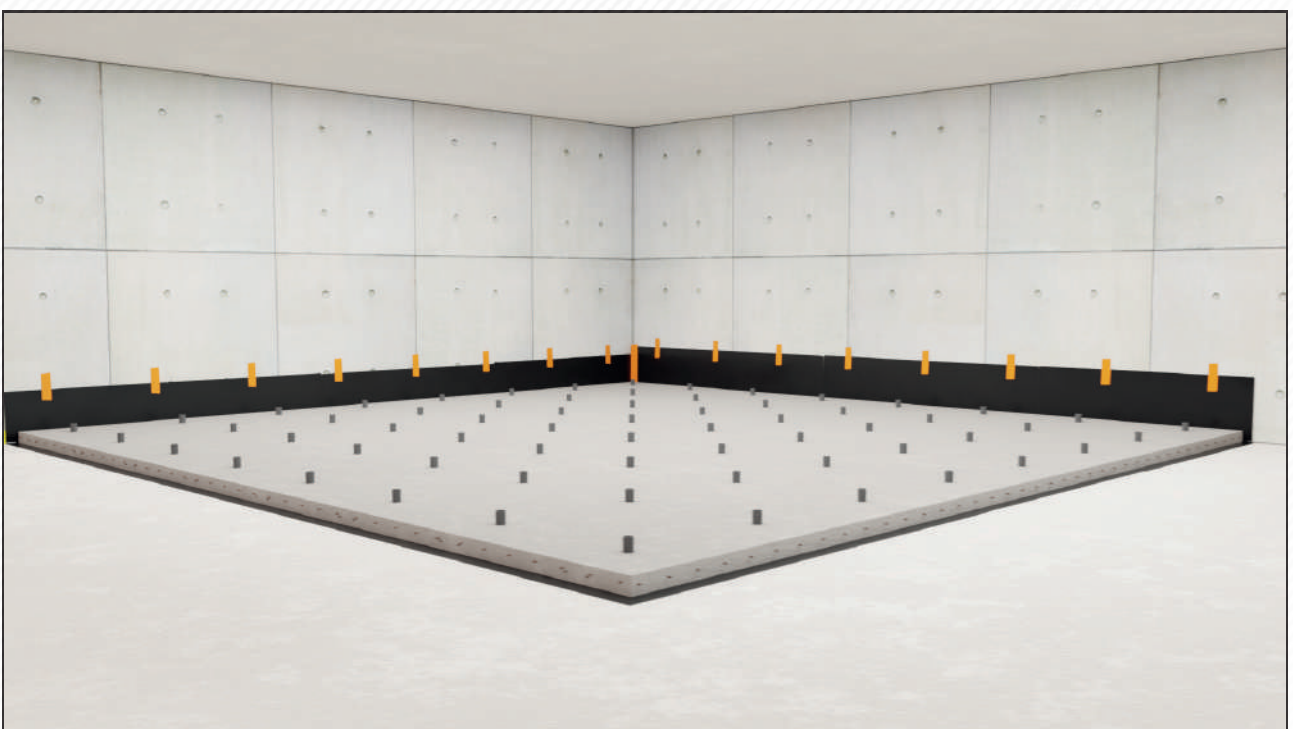
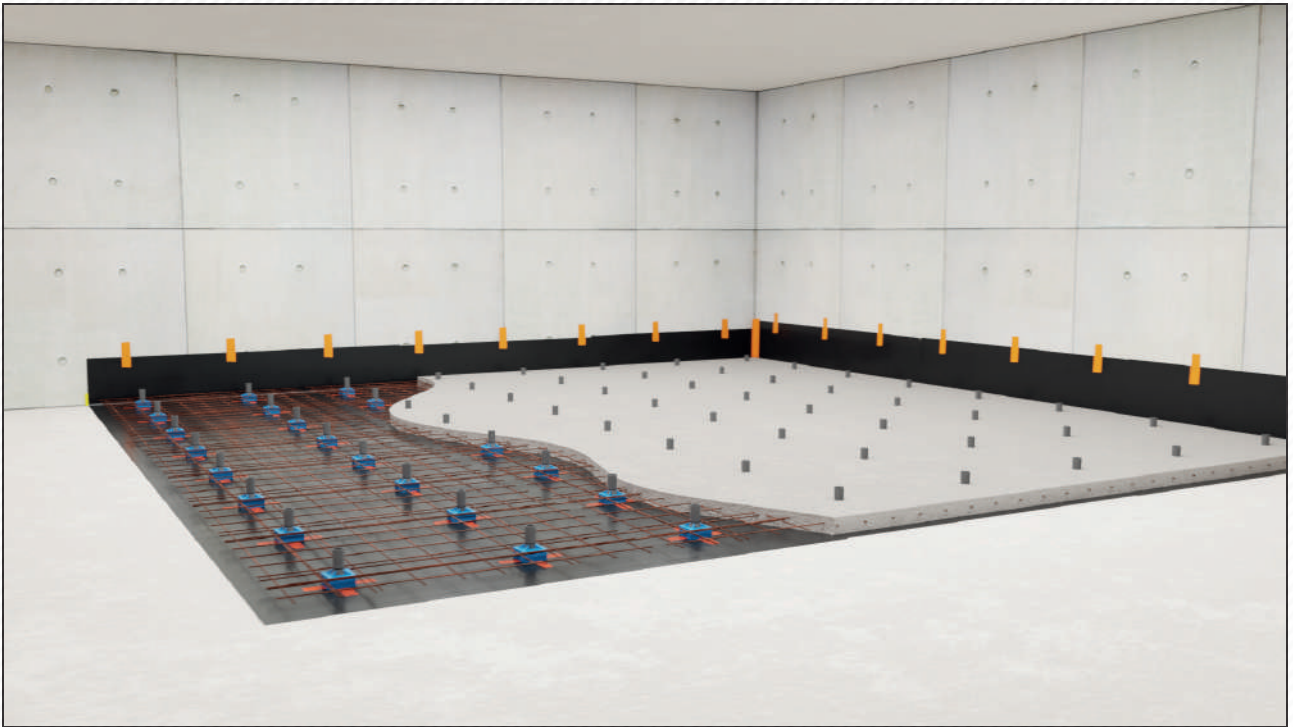
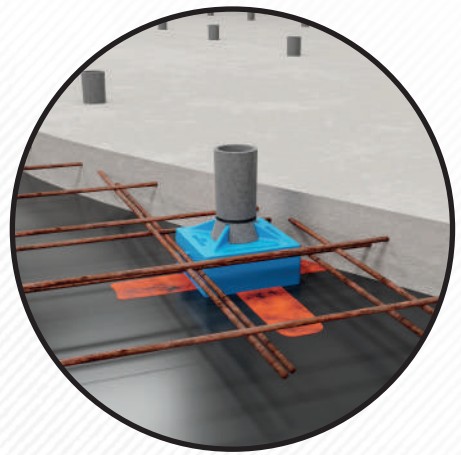
Place and tie the reinforcing bars on the mounts.
The reinforcing bars has to rest on the side lugs of the mounts.



STEP 6

CONCRETE SLAB

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



STEP 7

CUTTING ARMAFLEX

Cut the upper excess of the armaflex, to be able to extract the plug.



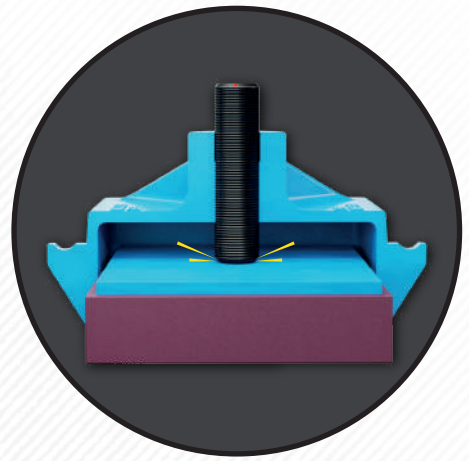
Extract the plug to get access to the levelling screw.



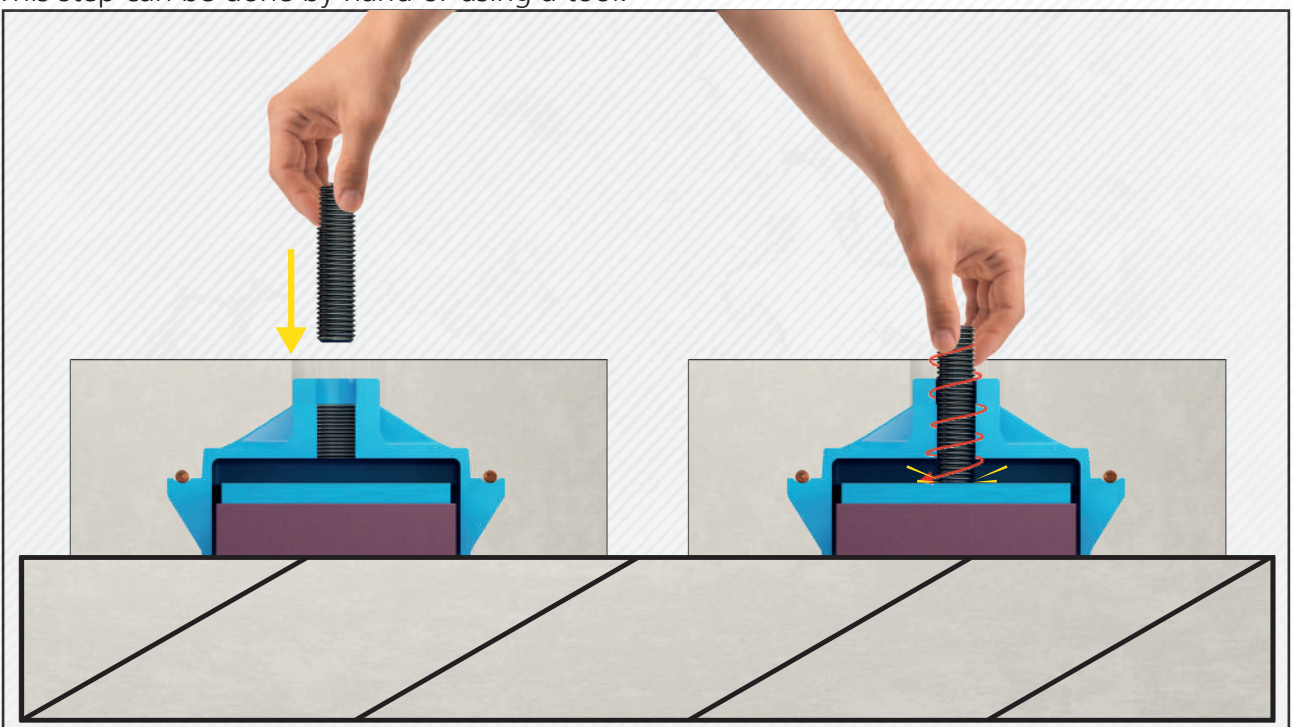
STEP 8

LEVELLING SCREW

Insert the levelling screw until it makes contact with the inner base. Continue turning until you will feel that the tightening torque increases.



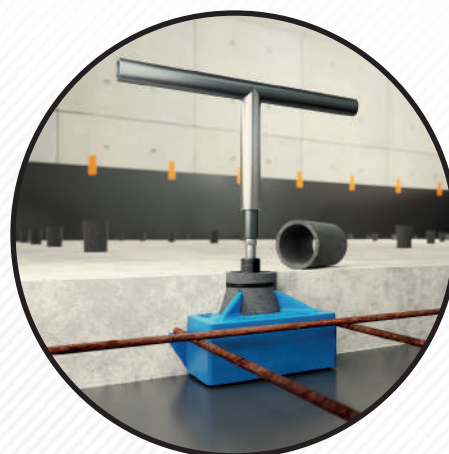
This step can be done by hand or using a tool.



STEP 9

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°).

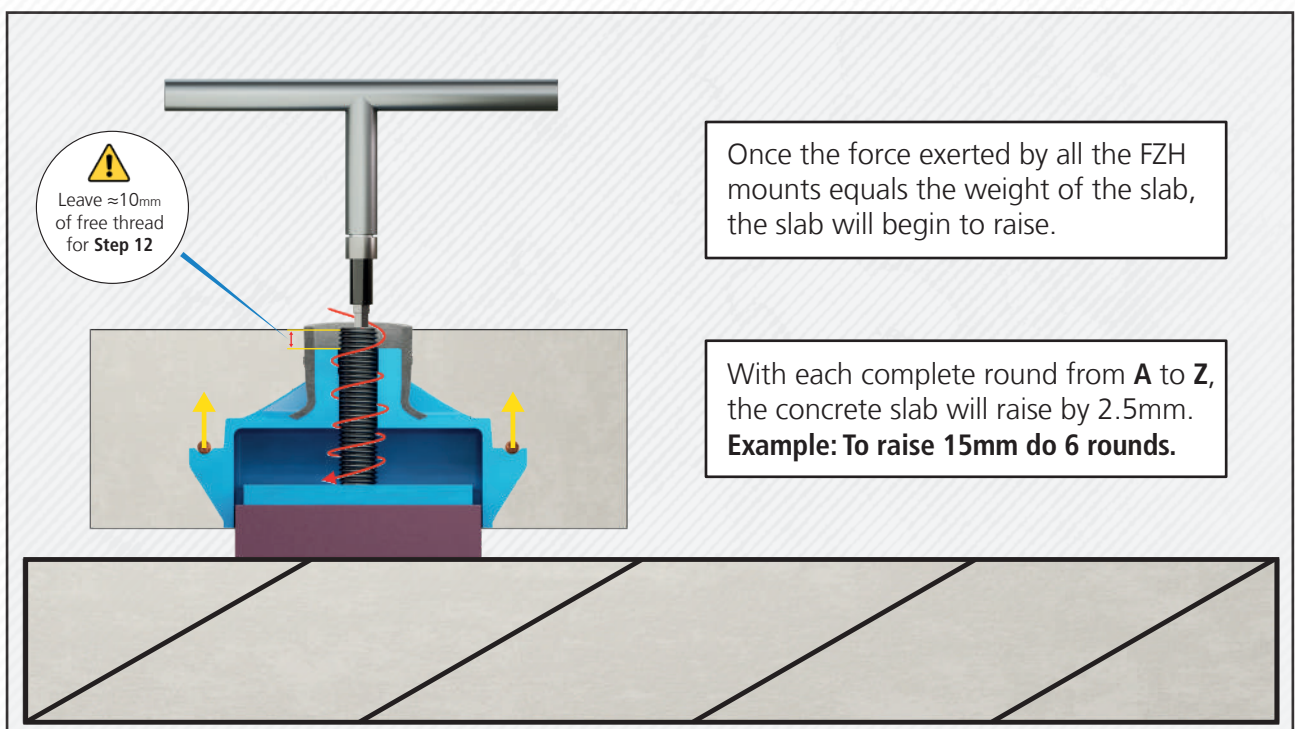
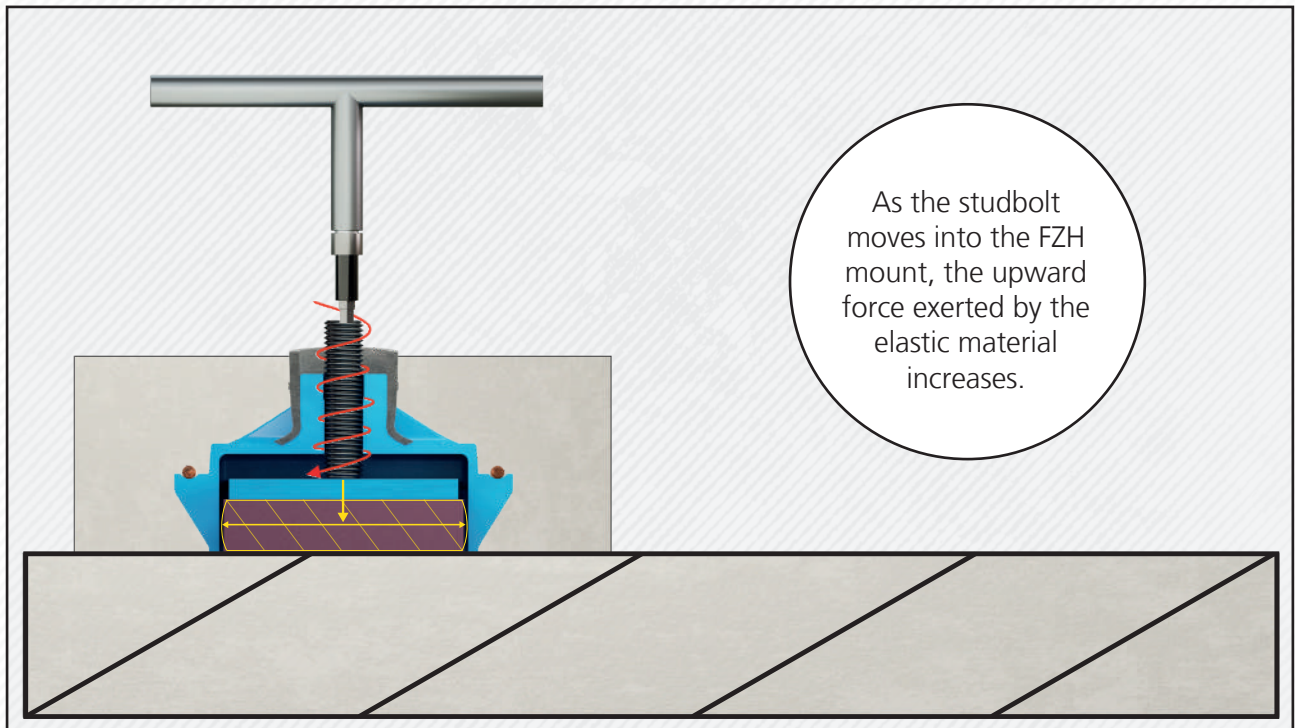
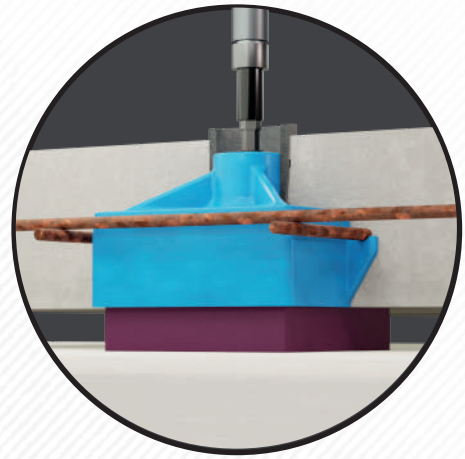


Continue levelling following the pattern below, making rounds from **A** to **Z**.
In each round, only one complete turn must be applied to each screw. (360°)



ACHIEVE THE DESIRED LEVELLING

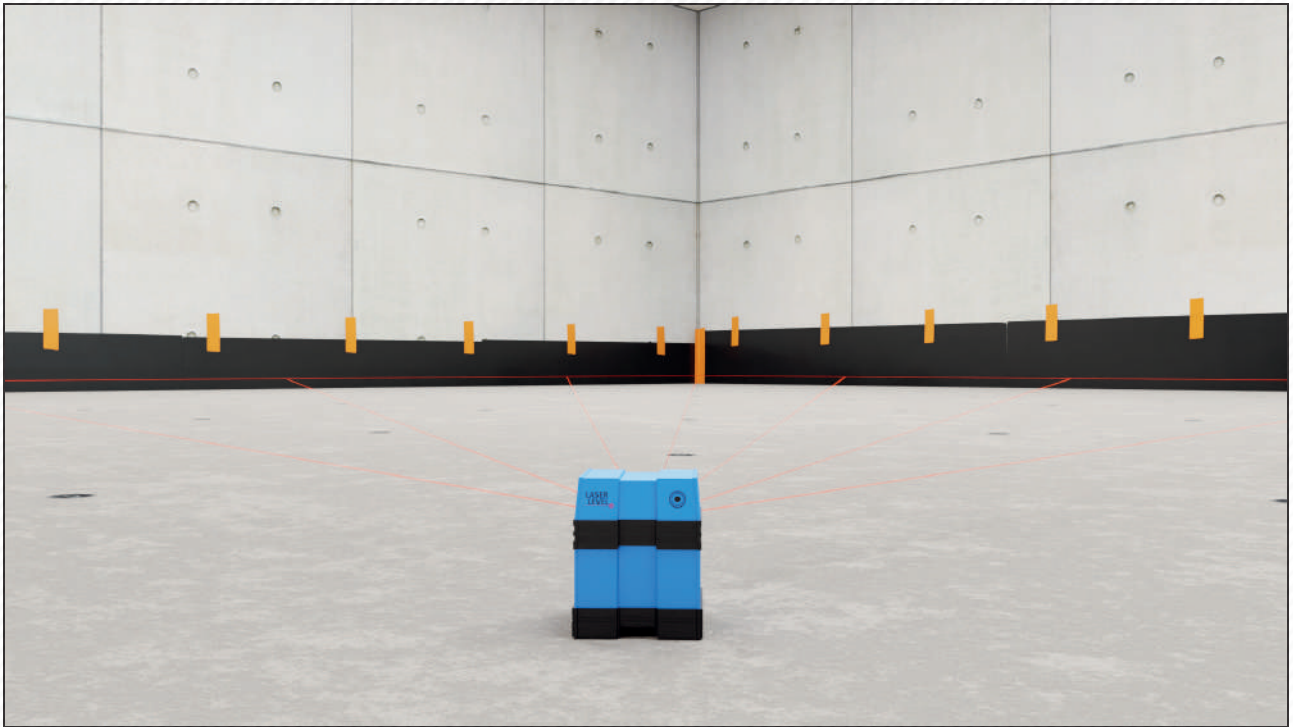
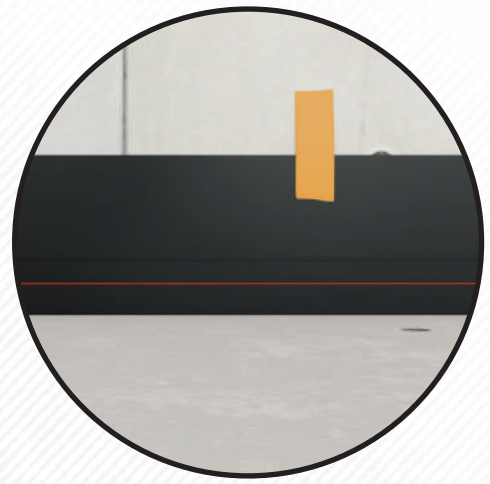
It should be noted that the slab will not be lifted up at the initial tightening of the studbolt. This will only preload the elastic material.



STEP 10

CHECK THE LEVEL

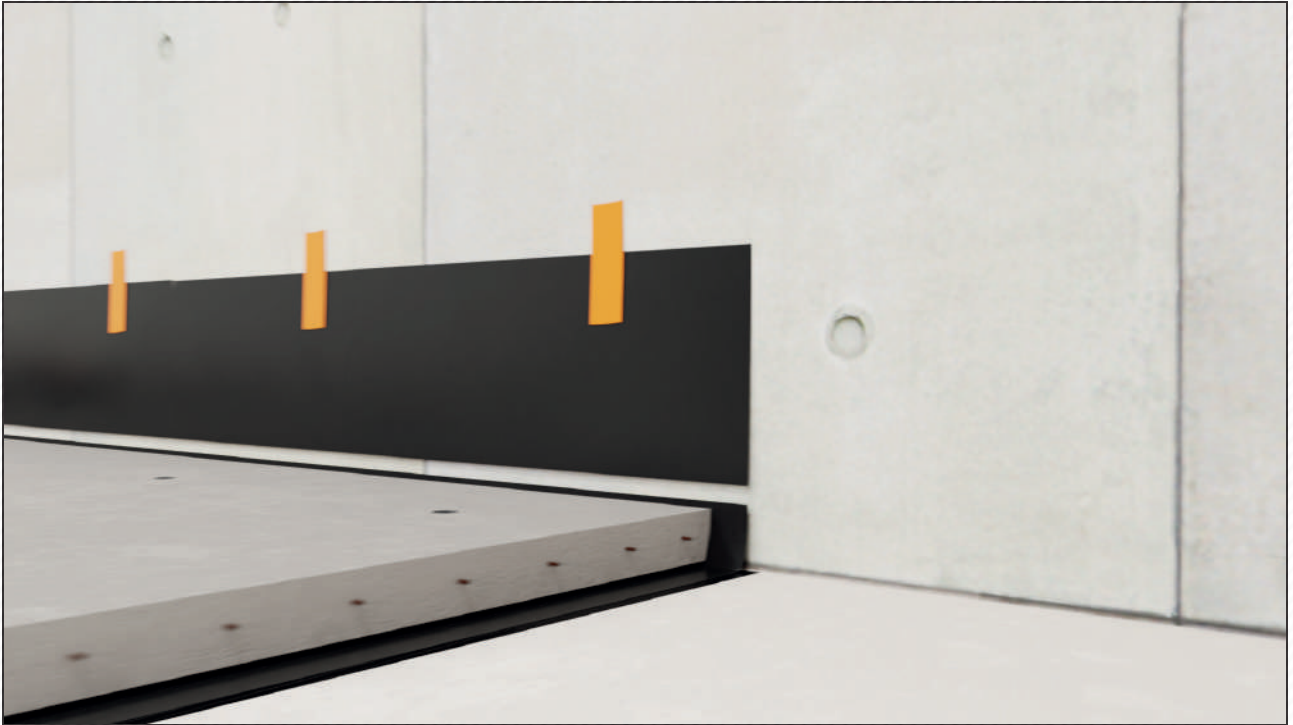
Use a laser to check the level of the slab.
If there is a significant unevenness, please contact the technical department of AMC.



STEP 11

LEFTOVER POLYETHYLENE FILM

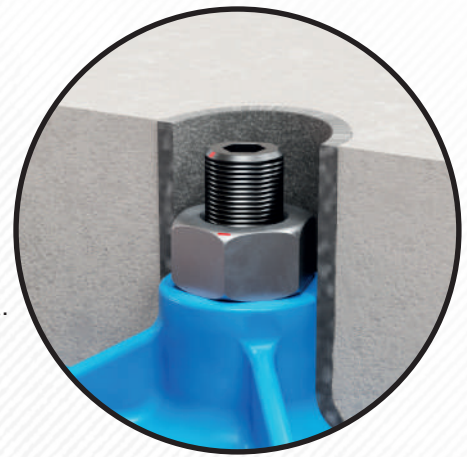
Cut the excess polyethylene film that remains on top of the slab.



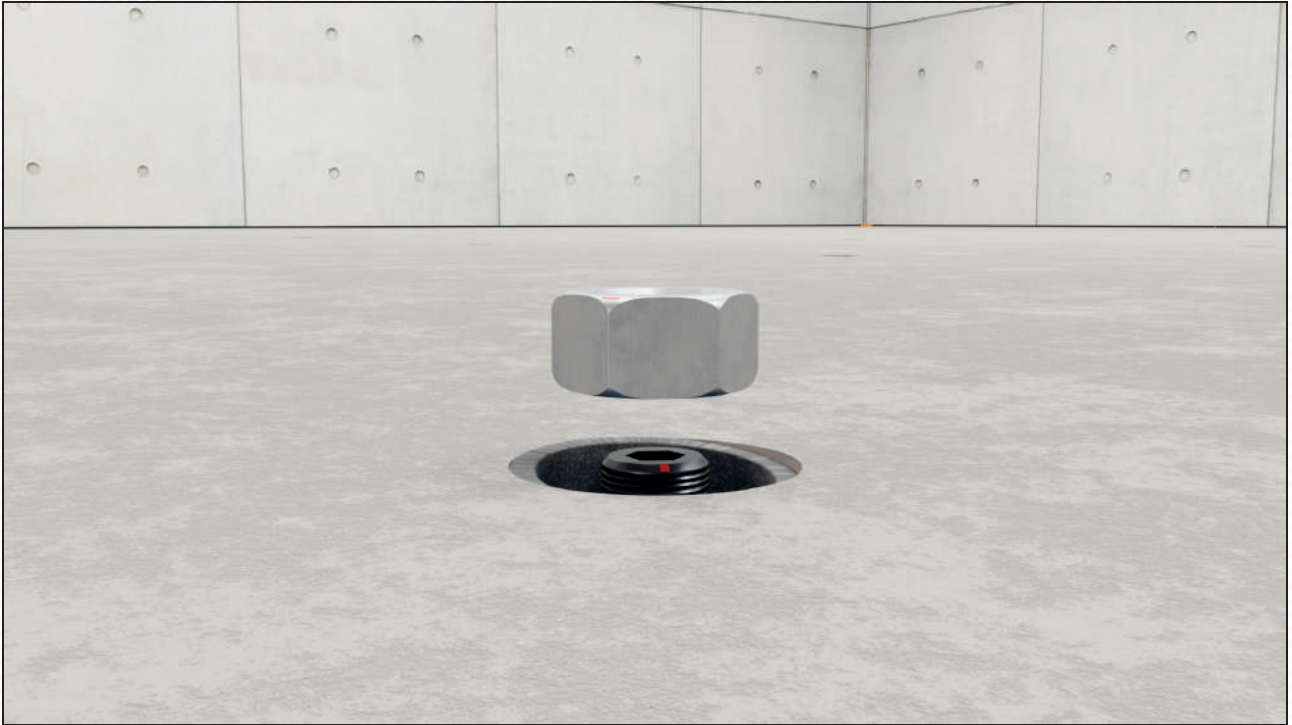
STEP 12

SAFETY LOCKING NUT

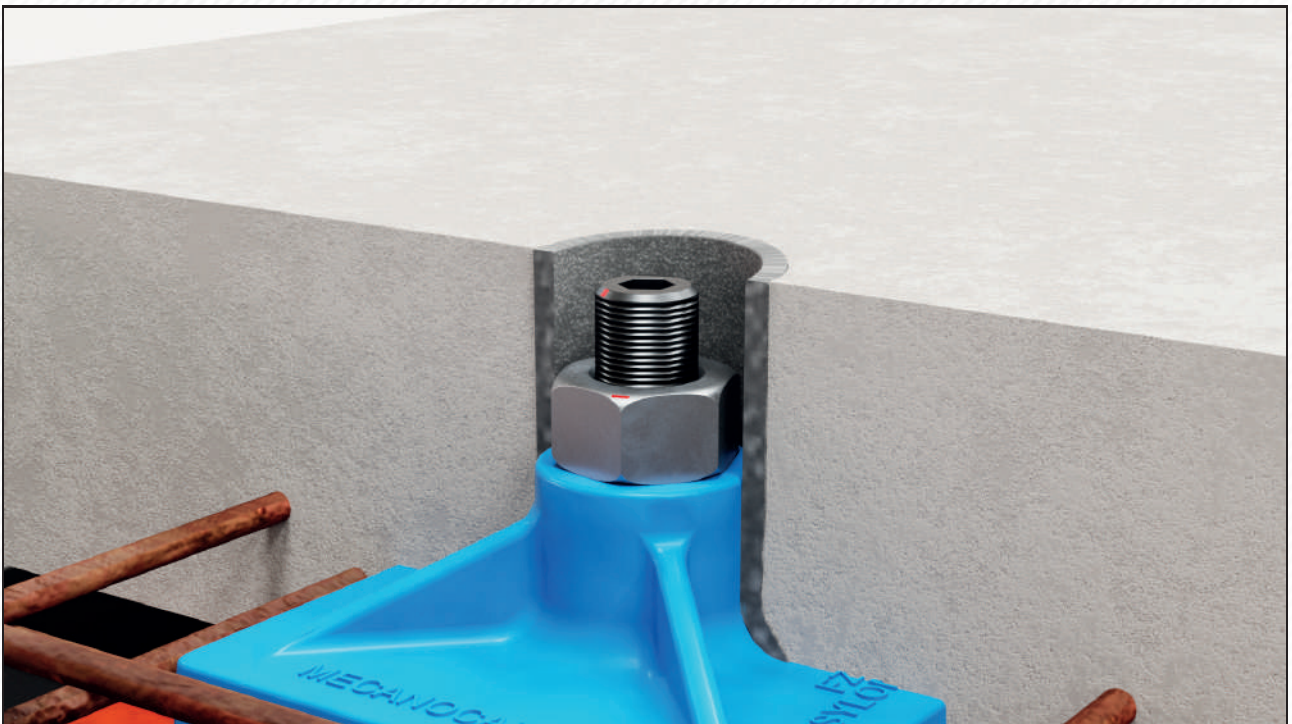
As a safety measure, it is advisable of applying a locking nut.



Using an DIN 936 M20 nut can help to lock the position of the thread.



Thread the nut until it locks into the mount.



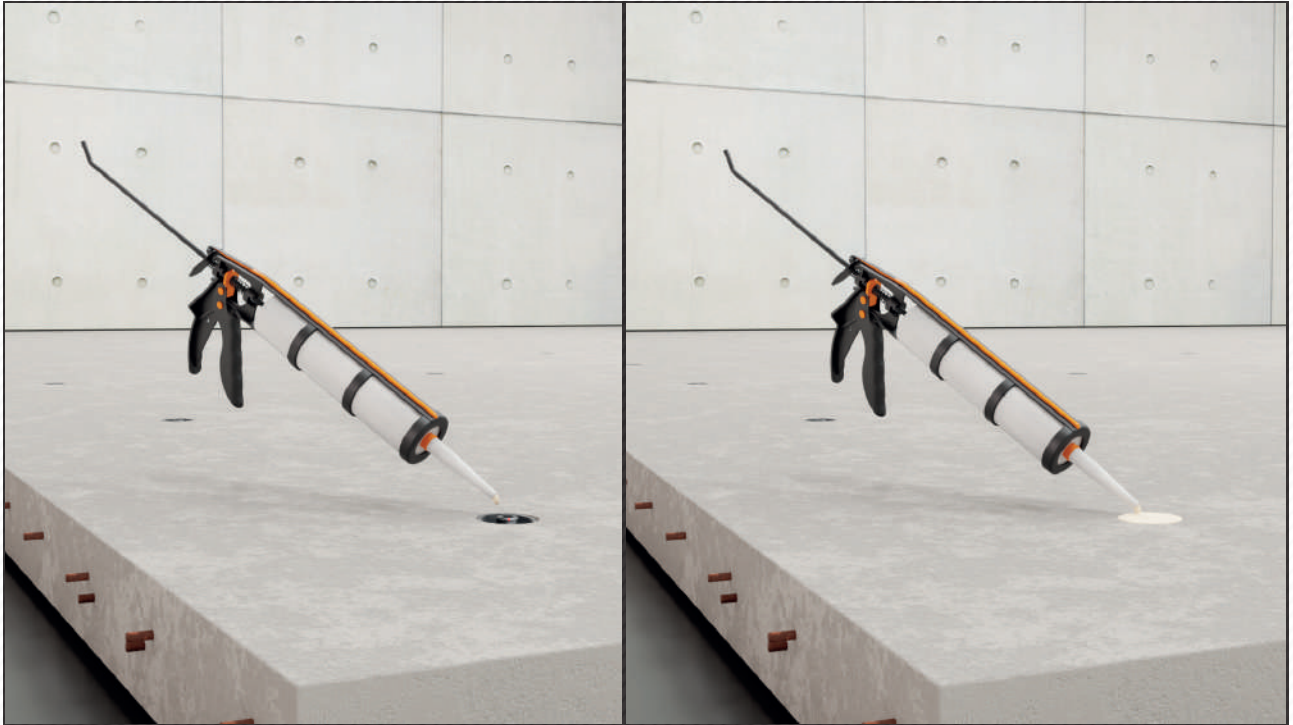
STEP 13

SEALING

Seal the levelling holes and the perimeter joint with silicone.



Start by sealing the levelling holes.



Continue sealing perimeter joints.



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Leicester ●

Copenhagen ●

Brussels ●

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