



Installation manual

Fixed height surface boxes

General notice

When it comes to installing fixed height surface boxes, synthetic surface boxes do not differ from cast iron surface boxes.

Installation

1. Make sure the road gap is big enough. The supporting subsurface can only be compacted sufficiently if the plate compactor completely fits into the road gap.*
2. Compact the supporting subsurface sufficiently.
3. Firmly press the support tile onto the compacted subsurface.
4. Place the surface box on top of the support tile and make sure that the top of the surface box is perfectly in line with the road surface, this way drive over impulses are avoided.
5. Compact the surrounding surface of the surface box to prevent subsidence caused by traffic loads.
6. Make sure the top layer of tarmac fits perfectly around the surface box.
To implement ZTV-Asphalt Stb 07 regulations and to prevent gap formation we advise to secure a bituminous sealing tape around the top of the surface box before the last layer of tarmac is laid.

*Only applicable for installation in machined road gaps.

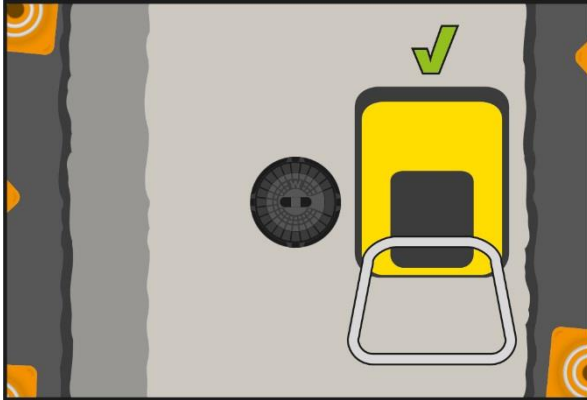
If the streets are already released for traffic before the top layer of tarmac is laid, then the housing of the surface box should be protected with a tarmac ramp around the top.



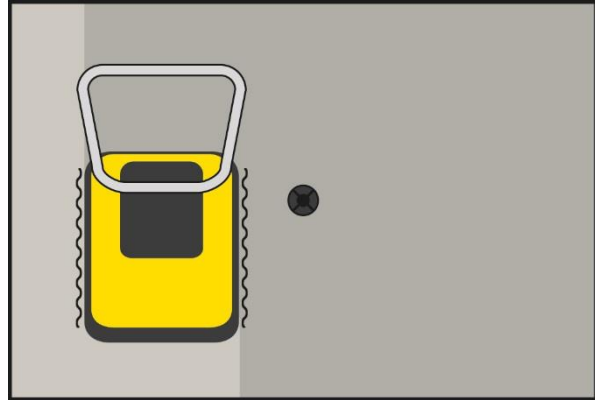
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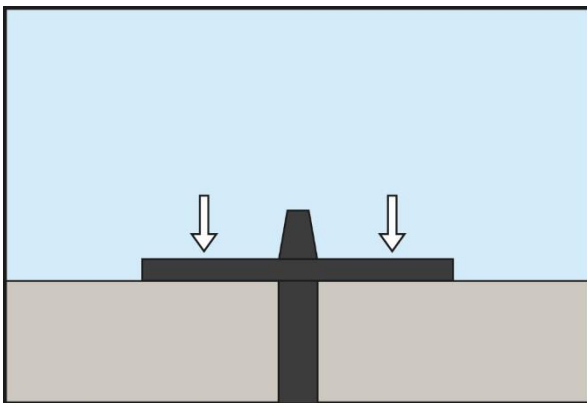
Installation steps demonstrated



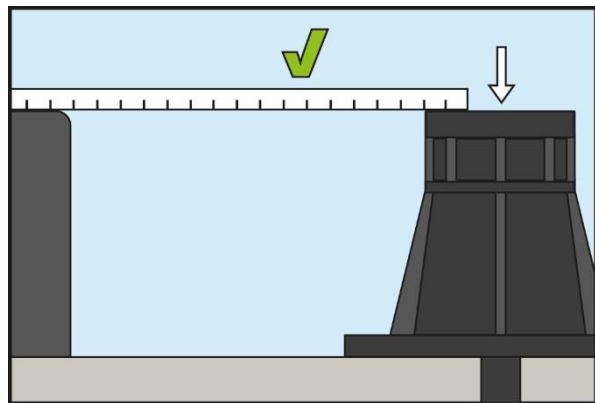
1. Make sure the road gap is big enough. The supporting subsurface can only be compacted sufficiently if the plate compactor completely fits into the road gap.



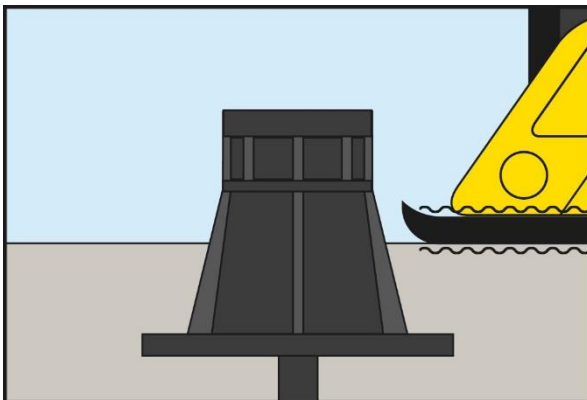
2. Compact the supporting subsurface sufficiently.



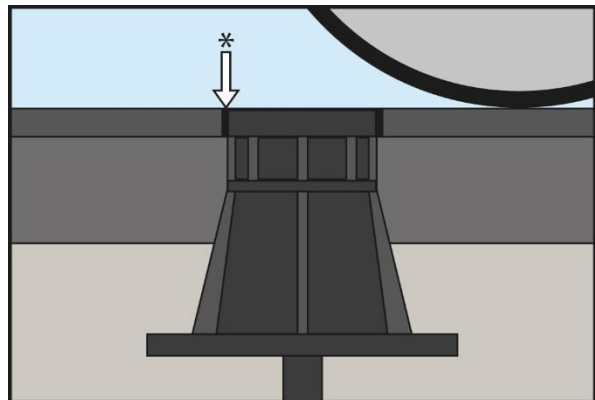
3. Firmly press the support tile onto the compacted subsurface.



4. Place the surface box on top of the support tile and make sure that the top of the surface box is perfectly in line with the road surface, this way drive over impulses are avoided.



5. Compact the surrounding surface of the surface box to prevent subsidence caused by traffic loads.



6. Make sure the top layer of tarmac fits perfectly around the surface box.

*To implement ZTV-Asphalt Stb 07 regulations and to prevent gap formation we advise to secure a bituminous sealing tape around the top of the surface box before the last layer of tarmac is laid.

Go to gw-surfaceboxes.com for more information and installation videos.