

ASSEMBLY INSTRUCTIONS

Tennis Practise Wall Type I with Sound Insulation

Version 022013

Immediately check your package for possible damages during shipping and report these right away.

One element weighs approx. 200 kg.

The shipment consists of tennis wall elements, 1 galvanized support column per wall element + 1 galvanized support column, M8x50, M8x80, M8x100 connecting screws with nuts, gasket strip, PVC side walls, nail plugs, noise insulation with Rockwool mats and polymer concrete slabs, white paint marker. Optionally: ball grille.

When laying the foundation, the M16 anchor bolts were set on the construction side. Alternatively installation is possible with M16 heavy duty dowels.

At first check the evenness of the foundation. If it is not even and/or not horizontal then even it out with wedges or similar utilities.

Image 1: First, secure all steel columns to the foundation with the anchor bolts or with the heavy duty dowels.

Assemble the wall elements from left to right (from the view of the player). **Ensure that the position of the steel columns matches with the support ribs on the back of the wall as shown in the assembly illustration on the foundation plan.**

Check the evenness of the foundation. If the foundation is not leveled out correctly take this into consideration when installing the first element.

Place the first wall element against the steel columns and secure it to the outer column with the M8x50 screws. The element has to be leveled out. If the element does not touch the foundation it has to be supported (ideally with wedges). Do the same with all further elements.

Image 2: Position the second wall element and secure it to the first one with the M8x80 screws. Leave the screws loose enough so that the wall can still be adjusted during final assembly. Connect all further wall elements.

Finally, position all elements as desired and tighten all of the wall element connection screws gently **(if the screws are tightened too fast the anti-vibration ribs may crack)**. When doing so, start with the lower screws and work your way up. The elements are slightly elastic – differences can thus be corrected.

Subsequently secure the steel columns onto the foundation.

Image 3: The optional ball grille will then be assembled. To do so, loosen the respective screws and fix the ball grille with the M8x100 screws.

Image 4,5: Cut all of the Rockwool mats to a width of 95 cm. Additionally cut a groove in the Rockwool mats for the tennis wall element anti-vibration rib where needed.

Insert the rear polymer concrete slabs for the sound insulation from above. When doing so, start by inserting the bottom row, commencing with No. 1 left bottom (when the player is facing it!).

Insert the Rockwool mats between the tennis wall element and the rear polymer concrete slabs.

Continue with the mounting of the centre row (commencing from the left again) in numerical sequence.

Form the top row in the same way.

Image 6: Place the polymer concrete roof slabs for the sound insulation on top. They are consecutively numbered with the polymer concrete rear slabs. Seal the butt joints of the roof slabs with silicone.

Image 7,8: Install the (optional) side walls with the nail plugs. Use the holes in the side walls as drilling template for the concrete elements. The side walls are to be set back approx. 10 mm from the leading edge of the tennis wall elements. In polymer concrete drill with a carbide drill without using the hammer.

The white lines can be adjusted or repaired with the paint marker. If necessary mask the area around with adhesive tape.

Small gaps, differences of the radiuses or in colour are caused by production and do not constitute a reason for complaint.

Image 1



Image 2



Image 3



Image 4



Image 5



Image 6



Image 7



Image 8

