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INSTALLATION INSTRUCTIONS

for STEEL WALL POOLS
round and oval

for REPLACEMENT LINERS

Congratulations on purchasing your own pool.



Please read these instructions carefully and keep them for future reference.

To maintain warranty claims, it is essential that you comply with all specifications and instructions in this manual. Check the pool set for transport damage and completeness. Any damage must be documented immediately and before assembly and reported to the dealer.

We reserve the right to make changes in the interest of technical progress.



General safety instructions:



- The use of this swimming pool kit requires that the safety instructions described below be observed and complied with.
- To prevent drowning or other serious injuries, special attention should be paid to securing access to the swimming pool, as children under the age of 5 can gain access to the pool unexpectedly. (e.g., fence off the swimming pool or remove the pool ladder when the pool is not being supervised or used).
- Children must be supervised by an adult at all times when swimming. Please never leave children unattended playing near or in the pool.
- Take a shower before swimming. If you have poor circulation, enter the pool slowly. After sunbathing or strenuous exercise, you risk cold shock. Do not swim immediately after a meal (a 2-hour wait is recommended).
- Do not jump into the pool, as there is a risk of falling in.
- Please note that the foil lining is not suitable for bathing animals (dogs, cats, fish, etc.). They could damage the foil or the animal could die.
- Never stand between the pool wall and the ladder. There is a risk of getting trapped.
- It is necessary to periodically check your swimming pool and accessories for wear and tear. Damaged and worn parts must be replaced immediately. Only use original parts from the manufacturer or consult the manufacturer. (e.g., ladder steps)



Caution: Electrical devices such as filter systems, underwater spotlights, counter-current systems, etc. (not included in this pool set or these instructions) may only be connected by licensed electricians in accordance with VDE 0100 Part 702. The connection (including 12 V) must always be protected by a residual current circuit breaker (RCD). Never attempt to repair a defective electrical device yourself (including your filter system).



Special instructions for setting up the swimming pool:



- At least 2 people are required for assembly, which takes approximately 1 day.
- The metal edges of the steel shell are very sharp! Be careful when opening the steel shell, as it is under tension. Always wear protective equipment (gloves and safety shoes) during the entire unpacking and assembly process. Risk of cuts!
- Please note that the pool may only be assembled on firm, level ground in accordance with the following assembly instructions, as it may otherwise pose a hazard. Before assembling the pool, prepare the ground as described on pages 4-6 for round pools and 9-11 for oval pools.
- The installation of the liner requires specific weather conditions. The air temperature must be at least 16 degrees Celsius. At the same time, the liner should not be installed in direct sunlight. The ideal temperature is 16-25 degrees Celsius.
- The following tools are required for installation: file, screwdriver, spirit level, hammer, saw
- The foil packaging should not be opened with a knife, as this can damage the foil. In addition, the foil must not be dragged across the ground.
- The steel wall may be equipped with an additional protective film (self-adhesive film on the outside of the steel casing). This must be removed completely immediately after installation.



Additional information for operation:



- The swimming pool must never be left without water (even in winter), as this could cause the foil to shrink and subsequently tear.
- We recommend not filling the pool with well water, as this often contains heavy metals (iron, copper, manganese, etc.). These can discolor the liner.
- The ideal fill level in the pool depends on the built-in components (skimmer) used. Please refer to the instructions for the surface skimmer.
- Always ensure proper water maintenance, both in summer and winter. In particular, the pH value must be set between 7.0 and 7.4. The ideal chlorine value is between 0.5 and 1 mg/l. An incorrect pH value or excessive chlorine value can cause damage to the swimming pool liner (wrinkling, fading of the liner).
- The water temperature must not exceed 28.0 degrees Celsius for long periods. Excessive temperatures may cause the film to wrinkle.
- Please note that sunscreen, oils, and other fats accumulate at the upper edge of the film. This should be avoided as much as possible (e.g., allow time for the sunscreen to absorb before entering the pool), or the edge must be cleaned immediately. Otherwise, there is a risk that the fats will burn into the film and discolor it.

Winter storage:

As described above, ensure that the water values are correct before winterization and add a winterizing agent to the water. Incorrect water values during the winter months can cause damage to the liner.

The fill level in winter depends on the built-in components (skimmers, jets, etc.). Ask your swimming pool dealer for the winterization instructions appropriate for your pool.

The swimming pool should always be protected with a suitable winter cover.

Ensure that all pipes, fittings, and filters are free of water. Follow the instructions for the filter system and accessories.

Scope of delivery for round and oval pools:

Steel casing including aluminum connecting rail and Vaseline can; inner liner with installation instructions; handrail and floor rail including connecting pins

Scope of delivery for inner liner:

Inner liner with installation instructions

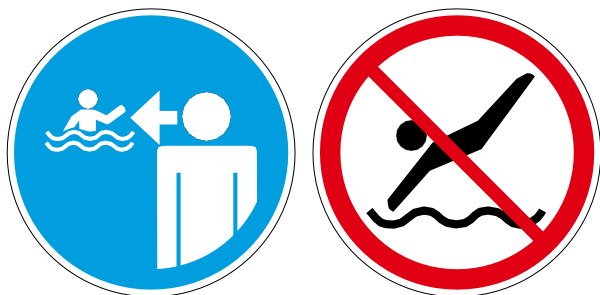
If you have any questions about assembly or installation, or if you have any complaints, please contact:

Weinmann GmbH - Trend Pool

Frankenstraße 1-4, D-63776 Mömbris, Tel.: +49-6029/95797-0, Fax:
+49-6029/95797-29

In accordance with EN 16582-1

These stickers must be affixed in a clearly visible location within 2 m of the swimming pool.



Stickers are included. Replace stickers after a certain period of time if necessary.

To ensure that you enjoy your swimming pool and that swimming is really fun, you should read and follow the installation instructions below carefully.

Choosing the location

The area where the swimming pool is to be installed must be completely level; any slight slopes must be leveled out (e.g., by digging). Filling is not permitted! The best substrate is "natural" soil, i.e., soil that has not been filled in. However, if fill has been used, the soil must be compacted so that it can bear a load of 1.4 t/m². Position your swimming pool so that it is as close as possible to

a sunny spot. Make sure that there are no deciduous trees in the main wind direction towards the swimming pool. Mark the circular outline of the pool on the lawn. This is best done with a string attached to a wooden stick in the intended center of the pool.

Can I also set up my pool on the lawn?

Of course, you can simply place your round pool on the lawn, either fully or partially sunk. Pools with a water depth of 150 cm must be sunk at least 75 cm.

When installing on grass, simply mark the diameter of your pool on the lawn. If your lawn is only slightly uneven and you do not want to sink your pool, it is best to fill in the uneven areas with fine sand or soil. If your lawn is uneven, create a completely level surface by removing the turf. The turf should not be removed to a depth of more than 10 cm. Otherwise, please observe the rules for sunken pools.

Should the pool floor

If your swimming pool is to be completely or partially sunk, it is certainl completely level at the edge, i.e. where the steel wall is to be erected. In base is reinforced with iron. In such special cases, consult a builder or struc

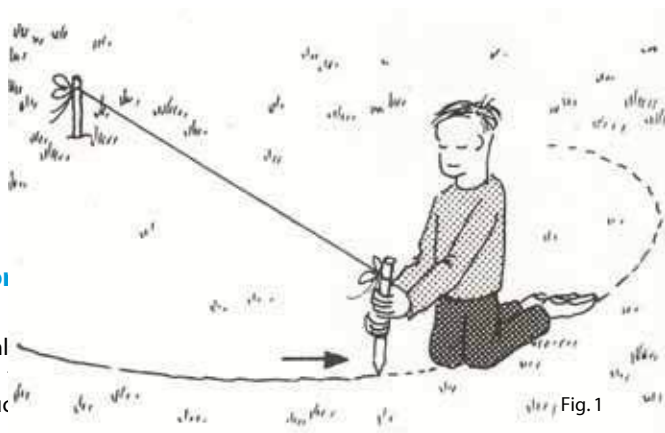


Fig. 1

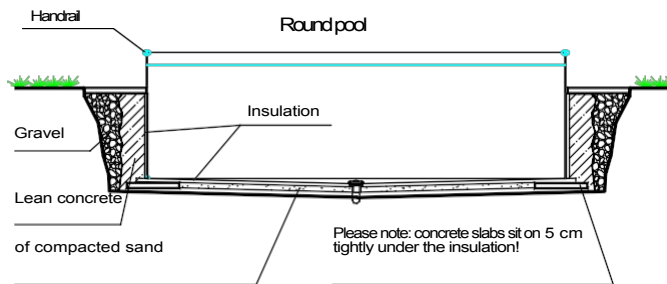
If I don't want to make a concrete floor

In principle, a concrete base is the best solution for the durability of your swimming pool. However, if you decide to opt for a simple substructure despite our recommendation, please make sure you prepare well.

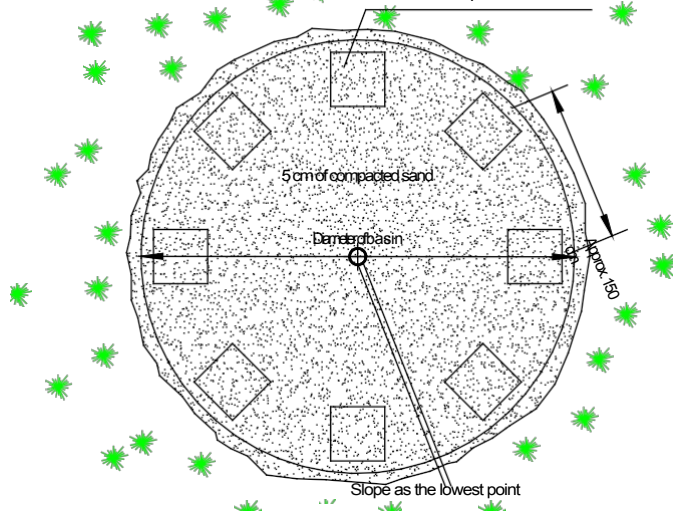
Place the subfloor on a level surface and lay a concrete slab measuring approx. 50 x 50 cm around the perimeter of the pool (position of the outer perimeter) approx. every 150 cm. These concrete slabs must be perfectly level. This will create the point foundations for the steel wall and

have a level base for your pool. Of course, this assumes that the slabs are not only laid individually but also horizontally as a whole. Then fill the gaps with fine sand. Create the recommended slope and compact the

Surface perfect. Now all that remains is to apply the insulation to the prepared surface. Then you can start building the pool. In this case, insulation is absolutely essential to prevent the concrete slabs and corners from damaging the liner. If you carry out this work according to our recommendations, you should consider whether it might not be easier to simply concrete the entire area neatly.

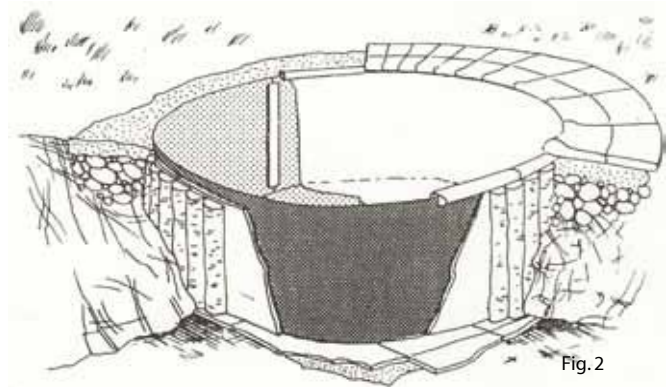


it would be easier to properly concrete the entire area around the perimeter.



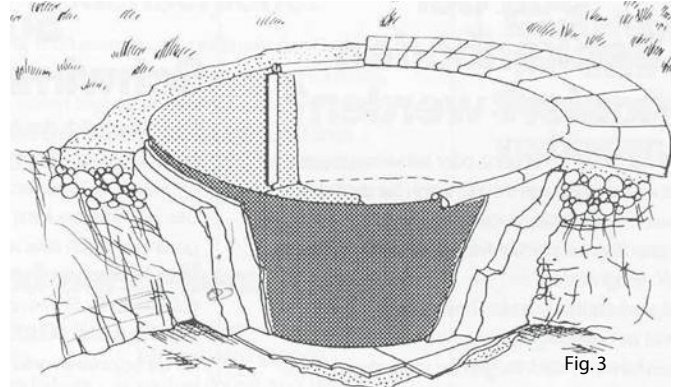
Can I sink the pool?

If you want to turn the pool into a really great swimming facility and sink the pool completely or partially, you must secure the pool against earth pressure after installation and filling. There are two ways to do this.



Option 1:

Raise the wall by approx. 30 cm and support the outer wall by installing wooden palisades (salt pressure impregnated). Half palisades corresponding to the depth of the pool are best suited for this purpose.

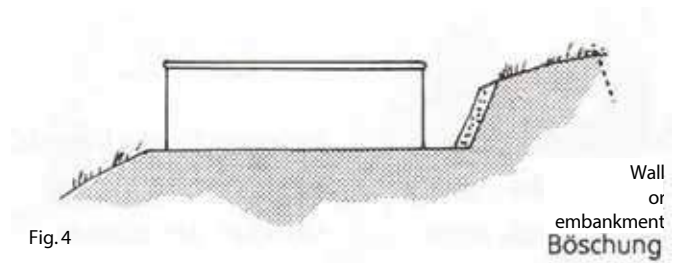


Option 2:

Excavate approx. 30 cm deeper and fill the gap with lean concrete in a ratio of 1 part cement to 6 parts sand.

Can the pool also be installed on a slope?

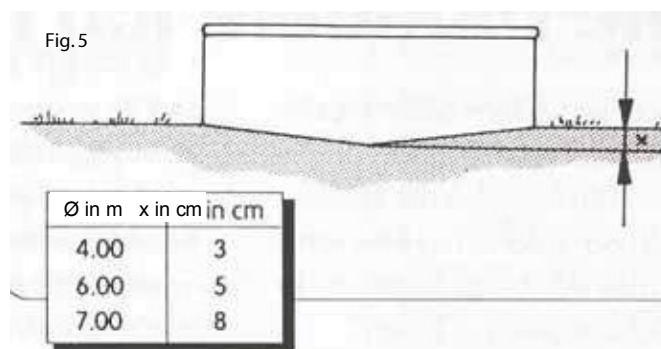
If the pool is to be installed on a slope, the slope must be secured with a small wall or embankment facing the pool. The pool wall is not suitable for supporting the slope.



Should the basin floor have a slope?

Be sure to prepare the base with a slight slope toward the center. This makes cleaning easier in the spring and allows the liner to be laid without wrinkles. The slope toward the center should be at least 3 cm. For pools with a diameter of more than 6 meters, the slope should be at least 5 cm, but no more than 8 cm. The elastic liner

stretches enough to fit the cone-shaped depression.



What is the best substrate for the liner?

The inner liner naturally needs a soft, smooth, and chemically sound base. No sharp objects or rough concrete surfaces, as these reduce the life of the liner. **The liner can be laid on:** fine sand, peat moss, smoothed concrete, or insulation boards with a fleece covering. Do not use carpeted floors or other supposedly suitable surfaces.

Underlay. Chemical reactions can occur between the membrane and unsuitable underlay materials, causing the membrane to age prematurely. In any case, it is advisable to lay an underlay membrane or fleece underneath. This protects the membrane and prevents chemical reactions.

Should the pool floor be insulated?

This is definitely the best thing you can do for your swimming pool. Insulating the pool guarantees you a longer swimming season and also protects your pool. On the pool floor, regardless of whether you use concrete or just fine sand, a 3 cm thick rigid foam panel covered with a fleece or underlay film guarantees you a soft, perfect underlay for the inner shell.

If you sink the pool and insulate it on the outside, the steel wall is best protected by the insulation panels and the pool water stays warm.

Cutaway drawing for the ideal solution (see page 12)!

Can the pool be installed in all weather conditions?

The foil cover is made of thermoplastic PVC, which is best processed at temperatures between 15 and 20 °C. Avoid strong sunlight, as this can cause the inner cover to expand excessively. In addition, the pool should not be set up in strong winds, as this could easily damage the steel shell (e.g., kinks, dents, etc.). If, on the other hand, it is too cold, the liner will not be pliable and will usually shrink too much. Store the liner in a warm room and lay the inner liner during the midday hours. The liner must then be stretched at the top edge so that it fits onto the steel wall. **Under no circumstances should the liner be installed below 15 °C, as it can break and holes can form.**

How do I assemble my pool?

At least two people should assemble the pool. Additional helpers are particularly advantageous when setting up the pool wall in order to minimize the risk of creases in the wall. Regardless of which substrate you have chosen, we would like to reiterate:

- the sand base must be level and compacted.
- The concrete floor must be smooth and free of dust.
- The insulation should be laid flush so that there is no gap between the panels.

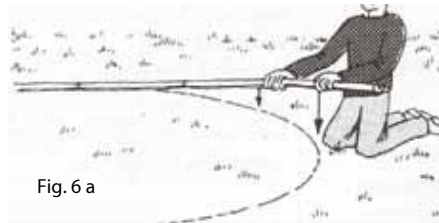


Fig. 6 a

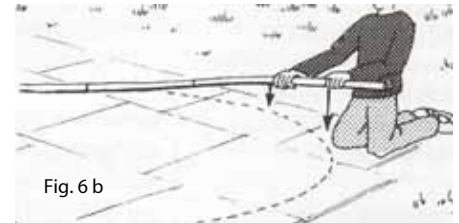


Fig. 6 b

1. Laying the floor rail:

Once the substrate has been properly prepared, mark the diameter again as shown in Fig. 1 and lay the floor rail in place (Fig. 6a). It may happen that the diameter is slightly too large after installing the last segment

slightly too large after installing the last segment. In this case, simply cut this segment to the required length according to the markings using a hacksaw. Firmly connect the floor rail with the connecting pins.

2. Setting up the pool wall:

Place the rolled-up sheet metal casing on a sturdy board in the center of the base rail circle.



Caution: The steel wall is under tension.

Unroll carefully! When slowly unrolling the steel wall and inserting it into the floor rail, make sure that the coated side faces outwards (Fig. 7). To make the work easier, you can place some of the handrail segments on the sheet metal casing to provide temporary support. Caution: Wear work gloves when handling the steel shell to avoid injury!



3. Setting up the pool wall:

Only when the entire pool wall is resting in the floor rail should the two ends be connected with the aluminum connecting rail (Fig. 8).

Note: Grease the seam with the enclosed Vaseline on both ends of the steel wall. Then you can easily insert the aluminum rail(s)

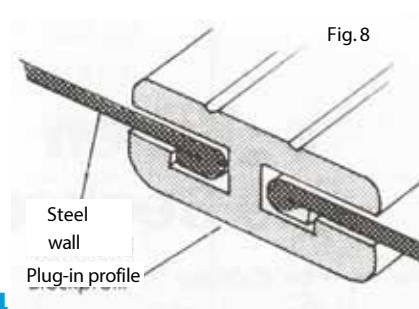


Fig. 8

Push on. The plug-in profile must not be inserted incorrectly or with force, as this could damage the wall or compromise stability.

4. Laying floor protection:

Now lay the floor protection film or fleece. Creases, unevenness, or insulation board edges that have not been carefully butted together will be clearly visible later due to the water pressure. In addition, dirt accumulates in these areas. Therefore, lay the underlay carefully. If you have to overlap the underlay film due to the width of your swimming pool, make sure that the overlap is even.

5. Hanging the liner:

Now check again that your underlay or fleece is free of creases. Then carefully place the liner in the center of the pool and begin to spread it out. At this point, your helper should already be outside the pool.



Note on installing the inner liner:

For instructions on installing the liner, please refer to the separate enclosed instructions

"Inner liner installation for foil pools."

In order to maintain the full warranty claim on the inner liner, the pool wall must be disinfected and lined with pre-treated protective fleece on the pool walls and floor.



Fig. 9

The
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to the correct size with a hacksaw. Once the circle is closed, the parts are carefully tapped onto the pool wall by hand or with a rubber mallet.

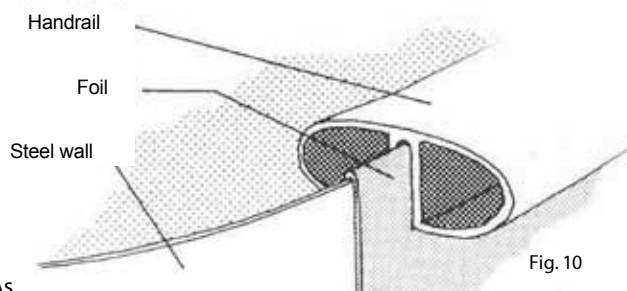


Fig. 10

As the circular shape on the insulation. Now check once again that the pool is positioned exactly on this line. Check again carefully that the bottom edge (weld seam between the bottom and wall) is also exactly level or at the same distance from the wall. Now fill the pool with water. The water will immediately flow to the lowest point and form a round puddle there. As soon as this puddle has a diameter of approx. 80 cm, you can

pool:

loor liner. This is easy to do by simply walking around the puddle and gently rocking back and forth to stretch the liner evenly toward the steel wall. Avoid shifting the liner by stretching it too much, which would cause the floor-wall weld seam to be at the top of the wall in one place and missing material on the opposite side. When the water has reached a depth of 2 cm at the edge, the floor must be completely wrinkle-free. You can now leave the pool. Again, make sure

to not lean on the steel wall, but to leave the pool via the ladder. Please make sure that the ladder does not damage the liner. It is best to place a crossbar underneath or use a high pool ladder for getting in and out. The pool is full when the water level is 10 cm below the edge.

The following must also be observed when installing an oval pool

The installation and assembly of the oval pool is similar to that of a round pool. However, during the preparatory work, two parallel side walls must be built along the long sides or a corresponding steel structure must be used. Please be sure to observe the following tables for the construction of the masonry. It is particularly important that the diagonals from wall end to wall end match. Only then can it be guaranteed that the walls form a rectangle. Bear in mind that the walls determine the position of the swimming pool. If you want to install the pool parallel to the garden fence or house, this must be taken into account when building the walls.

Oval pools – dimensions

With insulation

If you equip the swimming pool with 3 cm thick insulation, the following dimensions apply for the construction of the masonry:

Pool size	Wall length	Wall spacing	Diagonal
490 x 300	190	306	360.19
530 x 320	210	326	387.78
623 x 360	263	366	450.69
800 x 400	400	406	569.94

Without insulation

If you do not insulate the swimming pool, the following dimensions apply:

Pool size	Wall length	Wall distance	Diagonal
490 x 300	190	300	355.11
530 x 320	210	320	382.75
623 x 360	263	360	445.84
800 x 400	400	400	565.69

It is particularly important that the walls are vertical and parallel. Minor deviations in the masonry will cause wrinkles in the foil.

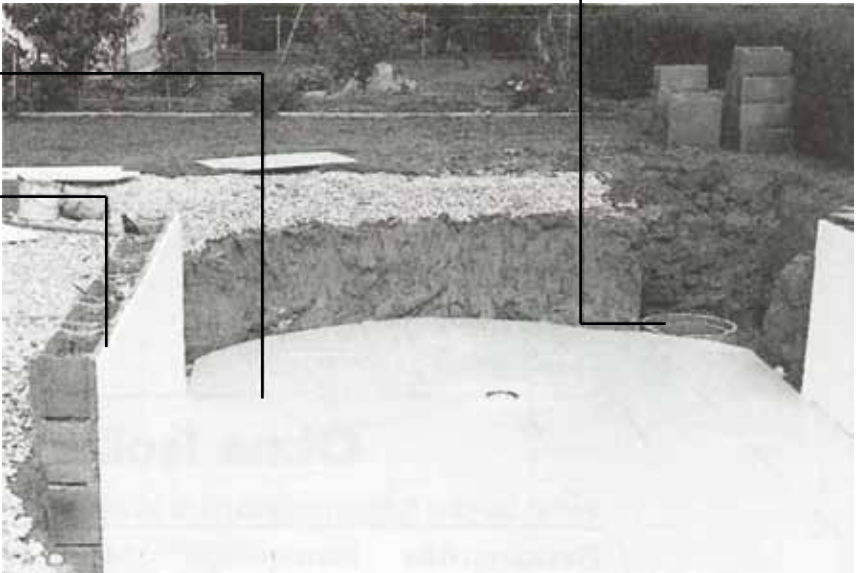


Excavation for frost protection (slab path)

Formwork blocks, masonry

Sand or concrete floor

Collection shaft for drainage



Hard foam insulation

Insulation



Steel wall

Space for lean concrete backfill

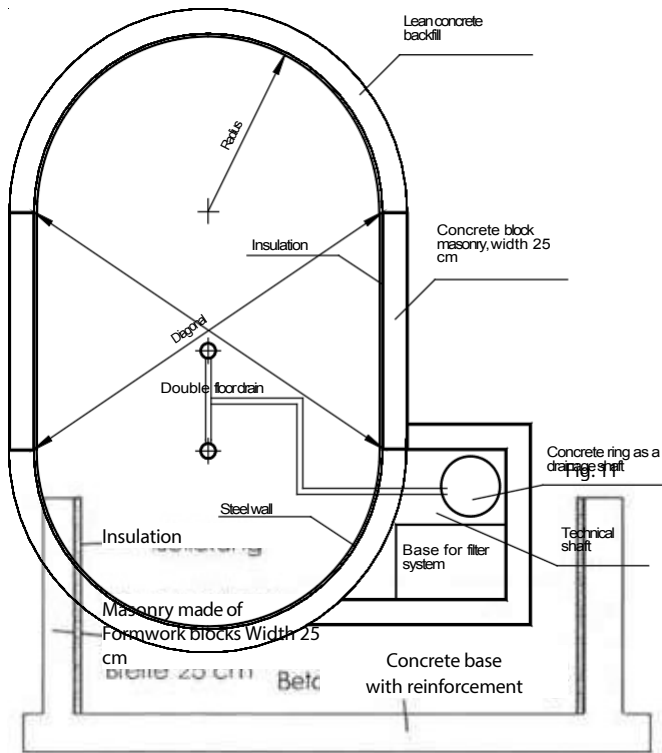
Laying out the foil



Structural preparatory work for sunken pools

The two retaining walls are constructed using 25 cm wide formwork blocks or in accordance with static requirements. If the basin is to be free-standing

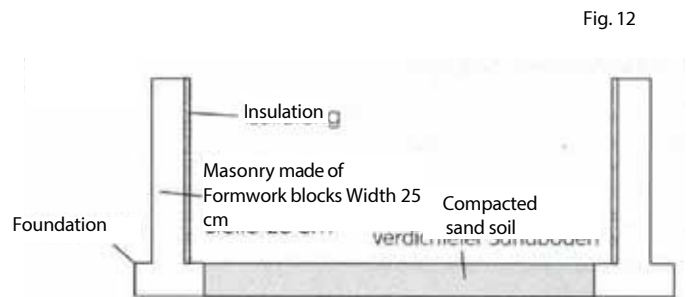
free-standing, i.e., not sunk into the ground, a structural analysis must be performed.



The height of the retaining walls must be the same as the height of the pool. This is measured from the bottom of the pool to the edge of the wall. If this height cannot be achieved with the rows of formwork blocks, a compensating ring must be concreted. Please consider in advance what type of pool edge cladding you will use on the wall. For a stone edging, you can already take into account a 5 cm mortar bed here, i.e., the wall does not have to be the full height here.

These retaining walls on the two straight sides must be well anchored. There are two options here, depending on the type of pool floor:

a) In the case of a concrete base, the walls are placed directly on top of it and connected with iron rods. (Fig. 11)



b) Separate foundations are required for sandy soils. As with the concrete base and the two retaining walls, the respective iron reinforcement is carried out in accordance with static requirements. (Fig. 12)

IMPORTANT: The quality of the entire substructure is extremely important. Therefore, make sure that the concrete can dry and harden sufficiently (usually at least three weeks)! The retaining wall filled with concrete must then be backfilled with soil **BEFORE** filling the pool with water. If a terrace or walkway is planned around the pool, gravel should be used instead as a frost-proof substructure for the stone slabs.

IMPORTANT: Only backfill the retaining wall with excavated material or gravel – lean concrete should be used for the curves. This is done after the pool has been completely filled with water. The pool must be filled before you carefully apply the lean concrete to the outside in layers. It is advisable to insulate the outside of the pool. Make sure that the mixing ratio is approximately 1:6 and that the concrete is mixed relatively dry (preferably earth-moist). Seek additional advice from a specialist.

Installation of the steel wall for oval pools:

Obtain screw clamps for temporarily securing the steel wall to the wall during installation. The number of screw clamps required depends on the length of the wall.

Caution: Wear work gloves and sturdy shoes when handling the steel shell to avoid injury!



Installation is the same as for a round pool. Start setting up the steel wall approx. 100 cm in front of one of the two walls. As soon as you reach the wall, secure the steel wall to the pool wall with a screw clamp

(place wood underneath). Continue to roll out the sheet metal and clamp the steel wall to the wall with additional screw clamps. To make the work easier, you can place some of the handrail segments on the sheet metal casing to provide temporary support. Connect the ends of the casing with the aluminum connecting rail.

Attach the steel wall to the concrete wall:

Once the aluminum rail is correctly positioned and the steel wall is fully assembled, drill the first hole through the steel wall approx. 10 cm below the top edge of the wall and 20 cm from the end of the wall. Use a sharp 8 mm steel drill bit for this. Now divide the distance evenly so that you can attach the steel wall to the wall approximately every 80 cm. The holes should all be at the same height. Before drilling into the wall, make sure that the steel sleeve is tightly tensioned and does not wobble. Then drill with an 8 mm masonry drill bit, insert 8 mm dowels, and screw the wall in place. For insulated walls

, please make sure that the dowel is really seated in the masonry and that the screws can be tightened properly.

Be careful not to deform the steel wall when screwing it in place. Now cover the screw heads with the cover pads provided by the customer. Stick these in a straight line, as the stickers will be visible due to the water pressure when the pool is filled. Continue with the installation as described for the round pool.

General information – winter storage:

Request winterization instructions from your swimming pool dealer and follow the general instructions on page 3. In any case, you should protect your swimming pool with a suitable winter cover.



Can I equip my swimming pool with a drain?

Of course – there are liners suitable for drains that are simple and easy to install. In principle, you can also empty your swimming pool with the filter pump. However, the pump will never be able to pump out all the water, as it will suck in air at the end. You will then have to laboriously wipe up the last of the water.

If you install a drain, this is certainly the perfect solution. The drain can be connected to the sewer or to a shaft located next to the basin. Ask your specialist dealer.

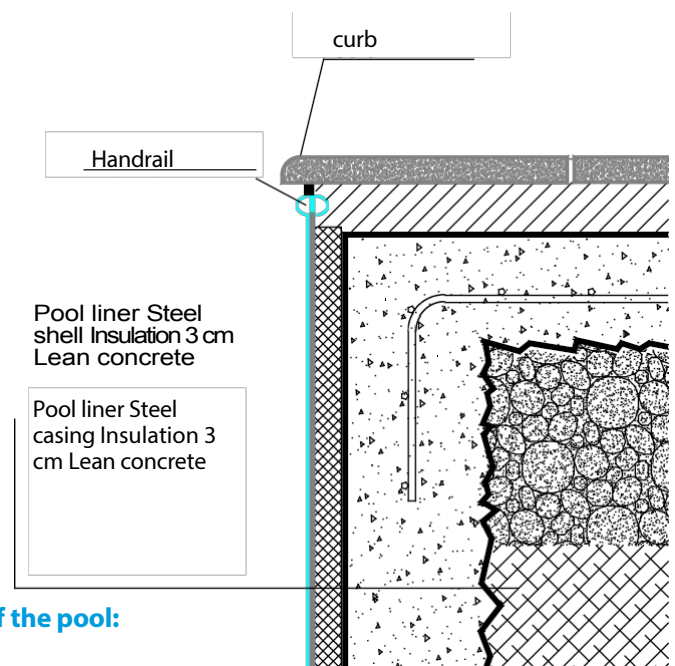
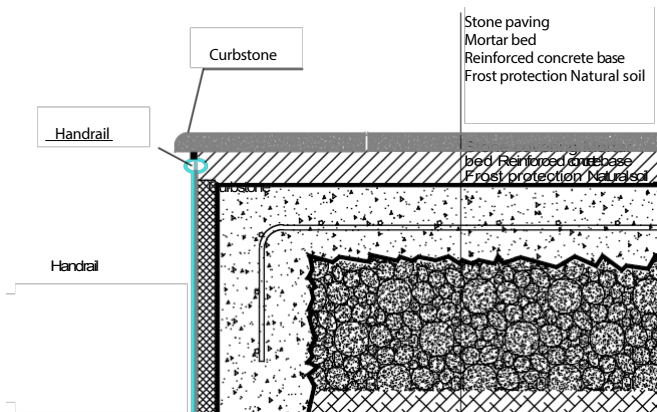
Repairs:

A damaged inner liner is easy to repair. Use the separately available foil repair kit. Please follow the bonding instructions. If the paint on the steel wall is damaged, purchase a spray paint in the same RAL color. **Damage to the handrail:** If

the handrail is damaged by mechanical impact, please replace it immediately. Ask your specialist dealer.

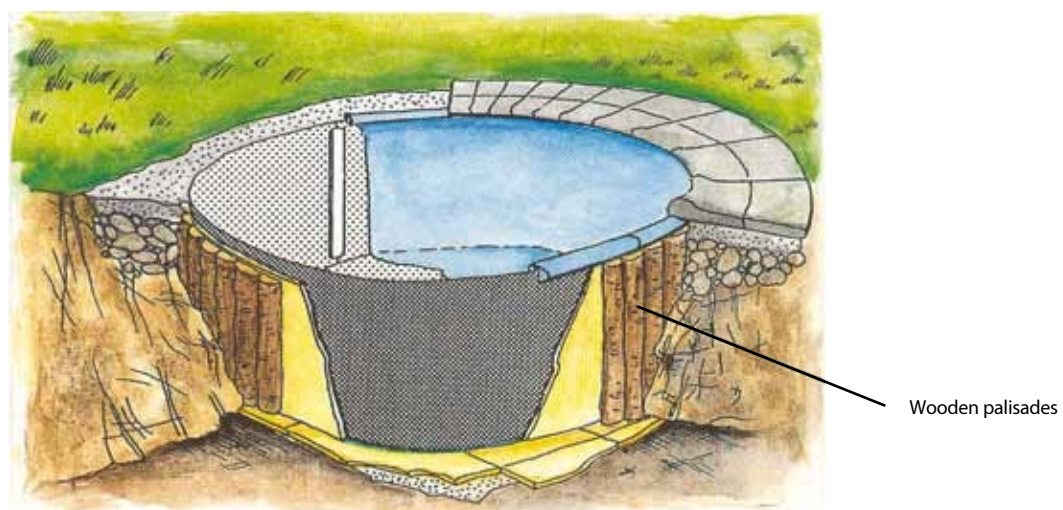
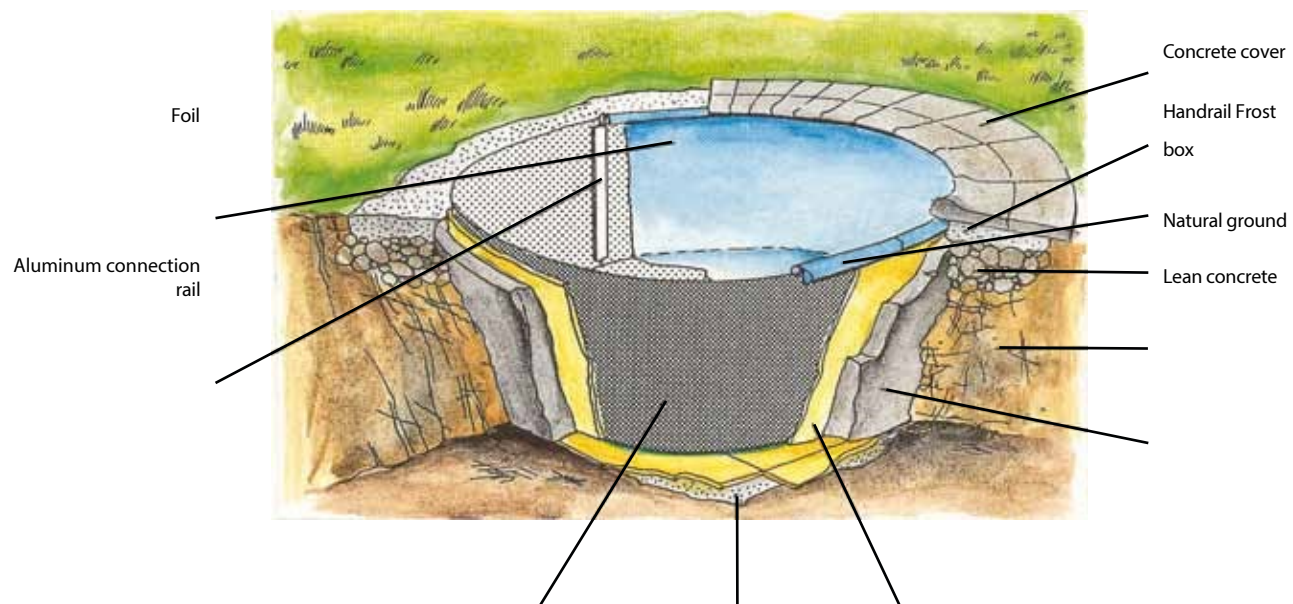
Can I lay a stone border around the edge of the swimming pool?

If you completely submerge your pool or partially submerge it and build a wall around it, you can easily install a beautiful natural or artificial stone border around the top of the pool. Just make sure that there is at least 1 cm of space between the profile and the border stone, which you can fill with silicone.



Dismantling of the pool:

In principle, dismantling the pool is not recommended. The pool suffers more damage when it is dismantled than when it is left standing during the winter months. If you still want to dismantle your swimming pool, do so in reverse order to the assembly process. Stuck parts (especially the plug-in profile that holds the steel shell) can be loosened by tapping them carefully with a rubber mallet. The cover should be thoroughly cleaned with a special swimming pool cleaner and rinsed off. It should only be rolled up once it is completely dry. Only carry out this work when the outside temperature is above 10 °C, as otherwise the film will be stiff and may break. Your specialist dealer will be happy to provide you with further tips.



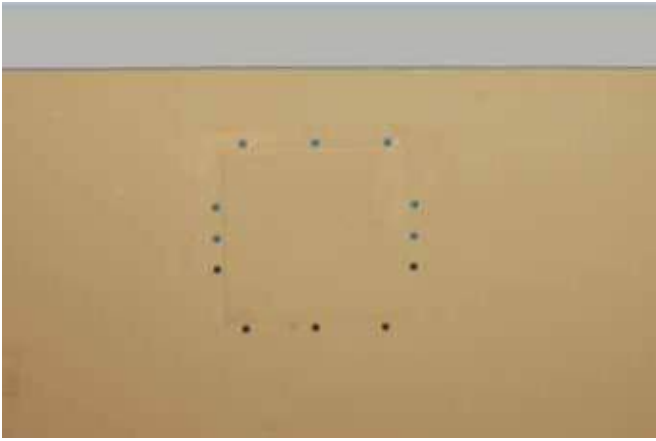
Variant 1

Please observe the operating instructions supplied with the skimmer and follow the safety instructions on page 2.

SKIMMER- INSTALLATION INSTRUCTIONS

(Surface suction device)





The intended position for the skimmer has already been punched into the steel sheet casing with the necessary holes.



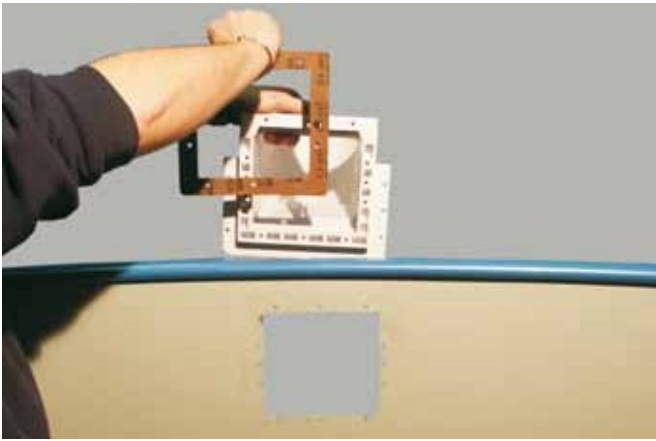
Cut out the skimmer opening with tin snips.



If the sheet metal has become slightly deformed, you can tap it into shape with two hammers.



Deburr the sheet metal with a file so that there are no sharp edges.



Take the skimmer with a seal and position it on the outside of the steel casing.



Screw the skimmer firmly to the steel wall on the right and left using two of the screws provided.



Take the second seal and position it on the inside of the steel jacket.



Secure the seal with adhesive tape.



You can then hang the liner in the pool and stretch it tight. For detailed installation instructions, please refer to the installation instructions for oval and round pools.



Once the liner has been installed, you can attach the skimmer flange.



Mounted skimmer flange.



Then use a wallpaper knife to cut the liner inside the flange so that the skimmer opening is free.



Congratulations, the skimmer has been successfully installed.

Please refer to the operating instructions supplied with the skimmer and follow the safety instructions on page 2.

NOZZLES DÜSEN

INSTALLATION MONTAGEANLEITUNG INSTRUCTIONS





The intended position for the nozzle is already stamped into the steel sheet casing.



Cut out the opening for the nozzle with a knife.



Now place a seal on the nozzle and push the nozzle through the hole from the inside to the outside.

Now slide the second seal over the nozzle from the outside.



Break out the sheet metal and deburr it with a file so that there are no sharp edges.





Take the lock nut, place it on the nozzle from the outside, and tighten it by hand.



Now you can carefully tighten the lock nut with pliers.



Make sure that the nozzle base does not twist, as this will cause wrinkles in the film!



Fully assembled nozzle.



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www.trend-pool.de