

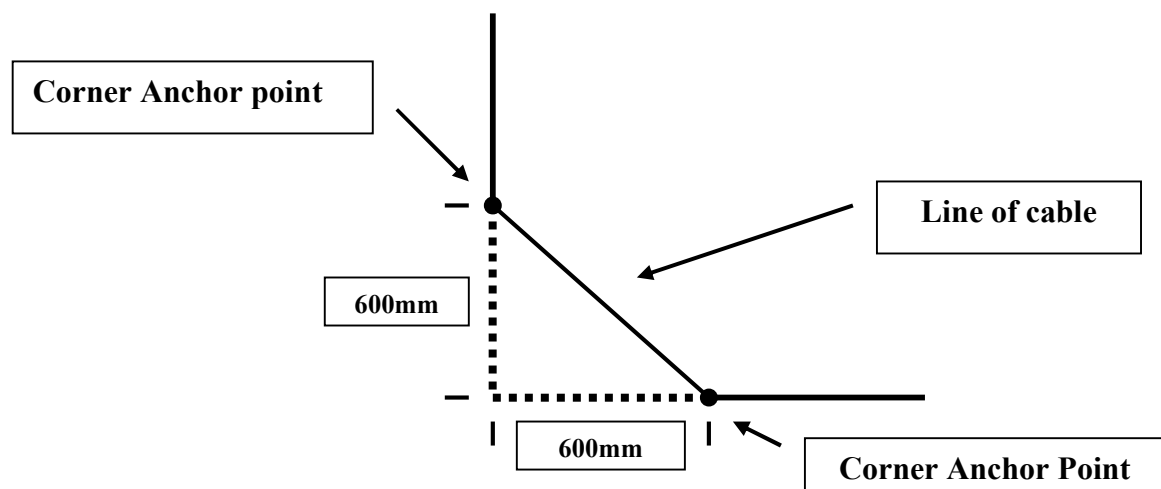
INSTALLATION INSTRUCTIONS

Remove all objects from the pool surround.

Mark out the position that you wish the dome cable to follow with chalk.

Rectangular “new profile” domes have square corners and because it is impossible to manufacture them to a precise size you should position and mark the two corners which are most critical on your particular site.

Important note: If you have specifically ordered a “Deluxe” dome the corners will be radius not square and therefore the corner fixings will have to reflect this radius. Instead of drilling one fixing in the corner of the dome footprint you must measure back along both axis of the dome footprint 600mm and place a fixing bolt at each point. Centralise the corner of the dome between these two fixings bolts and attach the dome as described in these instructions. You will have created a diagonal path of the cable across the corner which should measure approximately 850mm. Repeat this procedure on the three remaining corners.



When fitting special shaped or freeform domes it will be necessary to mark out the lie of the dome cable on the pool surround using the drawing and measurements supplied to the manufacturer when the dome was ordered. Failure to do this is likely to result in poor installation. It is often wise when ordering your freeform dome to mark the shape or path of the dome cable with a semi permanent marker so that the marks are still visible when you install your dome.

Make sure that you have a solid concrete base along the marked line beneath your paving into which you can fix the dome anchor bolts. This concrete should be ideally 300mm wide (to accommodate any slight variance in the size of the dome) and not less than 75mm thick.

Allow five to seven days for the concrete to harden before installing the dome anchor bolts.

Your dome will arrive wrapped in a felt/PVC blanket inside its cardboard box.

Note : when the dome is folded and rolled in one solid mass it is very susceptible to damage by abrasion....BE CAREFUL. It is advisable to place some polythene onto the pool surround where you are going to unroll the dome.

Place the box on the pool surround at the centre of one long side of the pool. Orientate the box so that the long side of the box is parallel with the side of the pool. Fold back the flaps of the box lid and lift up one end of the box so that the dome rolls gently out still wrapped in its protective skin.

Lift away the protective felt/PVC and locate the plan of the dome which has been placed within the folds of the dome material. This plan will illustrate the orientation of the dome and the position of the door or doors. If the dome plan tells you that the dome is pointing the wrong way carefully rotate the dome 180° either by lifting or sliding on the protective felt/PVC.

Unroll the dome so that it lays in a long strip next to the pool.

Find the two corners of the dome which must be taken across the pool and lift them across holding the cable. Use two people and try not to collect too much water on top of the dome.

Position the dome cable as close to your marked line as possible.

Position the nose of the dome inflation fan unit under the dome anchor cable at a place on the dome perimeter of your choice. (Try to keep the unit at least 1000mm from the dome corner).

At the most critical corner point on your marked line drill a 10mm hole into your pool surround tap in a rawl plug and screw in an eyebolt fixing. (It is important that you grease the thread of all the eyebolt fixings before screwing them into the pool surround as this will ease their fitting and removal considerably).

Locate the exact corner of the dome and punch a 10mm round hole through the reinforced cable skirt of the dome at the corner 1mm above the steel cable. Thread a stainless steel shackle through this hole and attach the shackle to the eyebolt.

Move to the second critical corner.

Locate the exact corner of the dome and pull the cable taught along your marked line away from your first fixed corner. Mark, drill and fix an eyebolt into your pool surround at this point. Punch a 10mm round hole through the reinforced cable skirt thread a shackle and attach it to the eyebolt as previously described.

Move to the third corner.

Repeat the previous operation.

Move to the fourth corner.

Repeat the previous operation ensuring that both lengths of cable running to that corner are taught.

With all four corners of the dome anchored take the remaining eyebolts and distribute them evenly around the dome perimeter.

Note: Place one eyebolt 100mm from either side of the inflation unit. One eyebolt 380mm either side of the door panel centre line if the dome has a zip flap door. Should the dome have a simple zip opening then place the eyebolts 450mm each side of the zip.

The spacing between the remaining eyebolts should be between 900mm and 1000mm.

Using your foot to ease the dome anchor cable away from your marked line drill a 10mm hole in your pool surround at each eyebolt position. Screw in all the eyebolts not forgetting to grease them.

At each eyebolt position punch a 10mm hole in the cable skirt as previous. Attach the dome to the eyebolts using the shackles.

Connect the dome fan inflation unit to the power supply in accordance with the instructions enclosed.

Inflate the dome in accordance with the instructions enclosed.

FREEFORM DOME INSTALLATION

When installing oval or freeform domes that do not have definite corners it is imperative that you have good guide lines drawn on the pool surround to follow.

Drill your first anchor point at the most critical point around the perimeter of the dome (at the door position for example or where the dome cable runs particularly close to the edge of the pool surround). This will mean that any adjustment to the positioning of the dome cable as a result of slight size variation of the dome will fall in a non critical area of the pool surround.

INFLATION FAN UNIT

INSTALLATION AND OPERATING INSTRUCTIONS

THIS UNIT MUST BE INSTALLED BY A COMPETENT ELECTRICIAN TO IEE REGULATIONS.

Before installing the fan unit remove the four protective caps on the fan lid undo the four nylon nuts and take off the lid.

Position fan unit at a convenient point around the perimeter of the air structure, placing the nose of the fan beneath either the cable fixing or water tube of the air structure. Note: your attention is drawn to section 602 of the IEE regulations which states that electrical items should be a minimum of 2 metres from the edge of the pool.

Connect a suitable 15 amp 220/240 volt single phase power supply to the fan unit via the waterproof gland in the side of the fan box. Locate the three terminals (live, negative, earth) in the connector box on the fan unit and connect the supply cable.

With the air structure either anchored with eyebolts or water tubes filled with water and zips and doors closed, commence inflation of the dome.

OPERATION - NOTE: DO NOT INFLATE OR DEFLATE THE DOME DURING WINDY CONDITIONS.

Care & Maintenance of Air Structures

Installation

The purchase price of air structures may include the initial installation by the suppliers experienced site engineers. If however, the structure is to be put over or taken away from the pool after its initial installation, great care must be taken not to drag the structure over the pool surround as this can cause abrasion damage.

Care must be taken not to position the dome near to walls, branches, etc. In general, a clearance of at least 18" (0.5m) is required.

It is often a good idea to use a sheet of polythene laid on the pool surround to protect the structure when moving it.

Windy Conditions

Air structures are designed to withstand normal wind conditions. However, when very strong winds are forecast (35mph or greater - Gale force 8) especially where the pool site is in an exposed position, the structure should be deflated over the pool with little or no air beneath it.

This operation is best carried out by switching off the air blower and holding open access doors. The more rapidly the structure deflates the better, as there is great danger of wind damage occurring when the structure is not fully pressurised. **Close the doors when the structure is completely deflated.**

If the structure has not been deflated before the wind strength increases, ensure that the internal air pressure of the dome is at maximum (all doors closed with air seals tight) and fan speed switched to maximum. Do not attempt to deflate the structure as wind damage will inevitably result.

The structure should lie as flat as possible when deflated. Do not leave items beneath the deflated structure in windy conditions as they allow air to be trapped beneath the surface. This air will allow the deflated structure to move and billow in windy conditions and damage to the structure will occur. In severe wind conditions it is often a good idea to introduce water onto the deflated structure. This has the effect of weighting it down, preventing almost all movement. This is especially important when the structure is installed over swimming pools that sit partly above ground level or sites where ground protrusions cannot be removed.

When weather conditions improve, this water can be removed by siphoning or by using a lightweight submersible pump. In areas liable to frequent power cuts, it is advisable to install a self starting back up generator.

Cold Weather

Never deflate or inflate the structure in cold frosty conditions, especially when there is frost on the structure. The vinyl materials used in the manufacture of the structure, whilst of high quality and performance, become less supple at low temperatures. Any unnecessary flexing of the materials at low temperatures is best avoided as cracking of the material could occur.

Structure Repair

Should the structure sustain minor damage, an instant repair can be effected using a Vinyl repair kit. Take care to follow the instructions contained in the repair kit.

Should major damage occur, immediately contact your supplier.

General Care

1. Do not deflate the structure directly onto the pool water surface for long periods as pool chemicals may reduce the life of the structure material. If the structure is to remain deflated for long periods, always ensure that a floating solar or insulation cover is in place on the pool water surface - this acts as a barrier between the structure material and the pool water.
2. Do not place any items with sharp corners or edges inside the structure - cuts or chafing can occur. (Remember, in windy conditions, remove all items from beneath the deflated structure).
3. Approximately every four weeks spray the outside and inside of the structure with tap water using a garden hose - this will help to keep the structure clean. Should the structure become excessively dirty, it can be cleaned using a soft cloth/brush and mild detergent, rinsing thoroughly with cold water afterwards. Regular hosing down to prevent excessive dirt build up is advisable (the better the care, the longer the life).

Removal and Storage

When removing the structure for summer or winter storage, always take care not to drag or scuff the structure when folding it up. Try to use a polythene sheet on the ground for protection.

Dry the structure as thoroughly as possible to minimise the growth of algae when in store. If the dome is stored when wet, the clear material takes on a milky appearance. The original clarity will return when the material dries out. Wrap the structure in a protective blanket or replace it in its original packaging if it has been retained.

Store the folded structure a cool, shaded place, preferably a garden shed or garage. Make sure the area is free of rodents such as mice or rats, as they can sometimes chew holes in the structure material.

When storing water tube structures do not remove the water tubes from the water tube skirt.