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# ROUND TUBES

EzyTube is the newest technology in producing off-form finished round concrete columns. EzyTube offers many advantages over alternative spiral tubes, some of these are as follows:

- Light weight, saves craneage as the tube can be safely manhandled in most cases.
- Weatherproof.
- Save labour due to the simple and quick set-up requirements, and even faster removal using the unique “Rip Cord Tape” feature
- Very safe to use. No grinders or electric tools required to trim, remove or cut to place in the waste bin.
- Flexible, strong multilayer wall structure. Ensures improved impact resistance compared to single seam spiral tubes.



## SPIRAL TUBES

The Ezytube Spiral Tube Form is a light weight, extremely strong tubing suitable for forming typical pour in place round concrete columns.

The simplicity in the Ezytube spiral tube is that it ensures extremely high burst strength at very thin wall thickness, which results in a lightweight tube, which is easy to cut to remove after pouring, and can be poured in most cases at unrestricted pour rates. (check with the appropriate data sheet for maximum unrestricted pour heights for all column diameters)

Ezytube spiral can be manufactured in a range of diameters from 200mm to 990mm in 50mm intervals (some states may have less diameters) and up to almost any transportable length.

Ezytube is manufactured using a spiral winding technique, and as such results in a slight, even spiral seam on the inside surface of the tube.

After pouring concrete within the tube, the surface of the concrete column shall reflect this spiral seam on the outer surface of the concrete. Class 2 -3 finishes are created with spiral Ezytube forms.

The Semi flexible wall structure means that the tube wall is forgiving and has high resistance to impact; the tube will “spring” back to shape if “out of round” after transport or other form of compression.

### **Easily cut with a knife**

Our Spiral tubes are simple to cut for onsite projections, conduits, etc... No electric power tools are required to strip, no risk of electrocution from power tools, giving obvious Occupational Health and Safety advantages.



## SPIRAL TUBES







## PLASTIC LINED

To achieve a smoother, higher standard of surface finish on the concrete column, a durable plastic liner can be inserted within the Ezytube.

The standard liner results in a smooth matt finish for practicality and easy painting. Alternatively, Ezytube can offer an option to install a liner which results in a high gloss concrete surface finish.

Class 1 – 2 finishes are possible with Lined Ezytube.

Ezytube liners are designed to be thin yet robust, and this ensures a lower overall tube weight, minimise the effect of the vertical seam and allows for easier removal.

Unlike thicker alternative tube forms, Ezytube's advanced design allows for simple removal processes which shall not damage the smooth concrete surface that has been formed.

After cutting a lined Ezytube, always remember to re-tape the plastic liner to the end of the tube to avoid concrete flowing between the liner and the tube wall.





## PIER

- Pier Tubes thicker wall section than Spiral Ezytube, which results in a rigid tube form.
- Uses include piers, void forming and any applications needing external crush resistance
- Good in unstable soils and soft sand
- Easily cut onsite
- Suitable for casting inslabs for voids as an alternative to core drilling for voids
- Off cuts can be joined to minimise waste with Ezytube filament tape







## WRAP

Where it is not possible to install the formwork tube by the “Top Fitting Technique”, EzyTube may be installed using the Wrap process. However, a high quality finish may not be achieved at the joining point.

Here are some features of the process:

- For difficult column forming situations where top fitting is not possible, EzyWrap system can be side fitted
- Used to encase around I beams.
- Also used to form larger diameter columns around existing smaller diameter concrete columns.
- Can be reused multiple times onsite.
- Comprises of a dual tube system, the inner tube which can be spiral or plastic lined depending on required finish, and outer tube for reinforcement and strength.

### **For fitting procedure refer to these instructions:**

1. Mark a straight line between the top and bottom marks, which correspond with the internal liner join.
2. Cut along this line with a Stanley knife (or similar) and a straight edge guide to ensure a straight, fine cut.
3. Alternatively, Ezytube can supply the tubes already cut with edges and internal liners taped
4. Wrap the cut Ezytube form around the steel cage (or I beam) by gently spreading the tube at the cut edges.
5. Pull the 2 edges together using small amounts of packaging tape for the full height of the tube, ensure that the ends are square.
6. Run a packaging tape over the full length of the cut surface to prevent water, fine cement and sand from running out.
7. Take a second Ezytube and cut the same way as indicated in steps 1 & 2 above. Place this second Ezytube form around the inner Ezytube, ensuring that the join in the inner and outer tubes are on opposing sides (180 degrees apart).
8. Using Ezytube approved reinforced tape, wrap the full circumference of the tube with 3 layers every 100mm up to the 1 meter high point, and continue with 2 layers every 200mm thereafter to the top of the tube.
9. Fill the tube with concrete and remove the EzyTube in reverse order upon adequate cure of the concrete.
10. The inner and outer tubes can be re-used many times using this procedure, increased re use is possible with plastic lined inner tubes.
11. Columns up to 5.0mtrs in height can be successfully poured using this method, however it is critical to abide by the correct positioning and usage of the reinforced tape.
12. Please refer to the Ezytube instructional cd or contact Ezytube Head Office staff for further detailed information



**WRAP**

