CHONG CHEONG
FOUNDRY WORKS PTE LTD

RIB LOC COLUMN FORMS (SPIRALLY WOUND PVC)

RIB LOC®



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SOCOTEC ISO 9001
SAC Accredited Certification Body QS-1999-05

RIB LOC COLUMN FORMS

Rib Loc column forms are made by spirally winding a ribbed PVC profile into tube. This enables column forms to be constructed, which are strong, light-weight, easy to install & strip.

The formwork shall provide a superior surface finish with only minimal evidence that the form has been spirally wound. The surface also incorporate the inherent "waxiness" of extruded PVC, thus no form oil is required. First class finish can be obtained with the inclusion of a plastic inner liner, if required.

The lightweight nature of Rib Loc form (450mm Ø weighs ≤ 3kg/m) means that installation and handling are much easier than with other types of column forms.

ADVANTAGES:

- **EASY TO STRIP:** simply "unwind" the formwork or cut off in slabs.
- **CUSTOM MADE:** made-to-size from Diameter 215mm – 1050mm. No cutting to size at site, no wastage. Other sizes are also available upon request.
- **SPEED:** able to perform multiple castings concurrently.
- **STRONG & ROBUST:** resist rain or accidental damage on site.
- **SMOOTH FINISH:** unsurpassed superior off-form finishing.
- **COST EFFICIENT:** substantial total cost saving for the whole project.
- **OCCUPATIONAL HEALTH & SAFETY:** no razor sharp edges exposed after stripping. No dangerous scrap left on site, dramatically reduced injury risk.
- **LIGHT WEIGHT & EASY TO HANDLE:** makes a safer worksite.

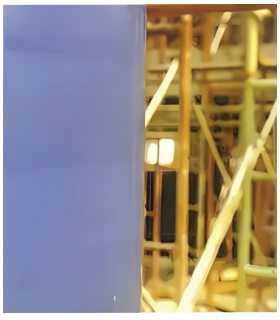
Examples:

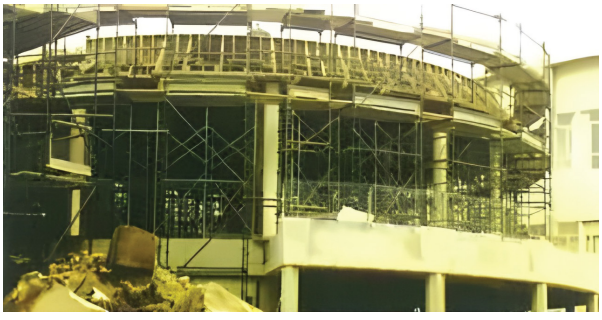
Column Diameter	mm	300	400	600	900
Column Height	m	4	4	4	4
Rib Loc Profile	-	84	84	84	84
Weight Per Metre	kg	2.1	2.8	4.3	6.4











BRACING

Rib Loc column forms are generally braced according to accepted industry practice for similar forms. As a general guide we recommend the following:-

1. Cross bracing supports from scaffolding at levels equal to 4x the diameter. This form of bracing primarily stops the form from bowing away from the reinforcing cage inside the form.

2. Additional bracing should be considered when above average static and dynamic loads are exerted on the form. Strap at least four (for column diameters below 600mm) or six (for column diameters above 600mm) 4" x 3" timbers equally spaced around the circumference of the form and running the full height of the column. This type of bracing is widely used by contractors as a quick and effective means of ensuring the form remain plumb as well as in its correct position around the reinforcing cage.



Vertical/Cross Bracing with prop

FIXING

In addition to bracing, the top and bottom of column forms must be fixed in their designed positions. At the bottom, use four equally spaced blocks of wood fixed to the floor slab to hold the Rib Loc form. The top of the form is usually held in place by the soffit formwork. A circular hole is cut in the plywood to suit the outside diameter of the Rib Loc form. As Rib Loc forms are manufactured to exact required lengths, the form is slipped down through the hole in the soffit and the top finishes flush with the underside of the slab. When there is no soffit formwork to position the top of the form (e.g. final floor to roof situation) props should be placed on the vertical bracing to position the column.



Vertical bracing c/w props, w/o soffit

NOTE

1. Under no circumstances should props be placed directly onto the Rib Loc form. As the pressure of such propping may result in a less than acceptable finish on the column.

2. When placing Rib Loc Column Formwork, ensure that the arrow painted on the outside is pointing upwards; this gives optimum strength and assists in stripping.



Soffit formwork w/o bracing



Wood fixed on the floor slab securing the formwork



Void Former



Stormdrain



Subsoil Drainage Pipe



Cut-out for Electrical Socket Outlets



Column Form with Cross Beams



Pile Refurbishment





Cast-in Slotted Drain



On-Site Application



Completed Project – Structural Column Works

Our Custom Services



Welding



Sawing Machine



CNC Milling Machine



Pipe Threading



CHONG CHEONG FOUNDRY WORKS PTE LTD

Contact Us

Please feel free to contact us via e-mail or phone. We will be glad to answer your questions, concerns and/or feedback.

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Operating Hour:

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