

SONOCO Formatube® Construction Fibre Forms

Economical, Engineered Round Concrete Forms

A lightweight and cost-effective fibre form designed to provide a fast, versatile method for pouring concrete columns and round voids.



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A HERITAGE OF TRUST

Contractors in Australia and New Zealand have relied on the Formatube® brand for over 50 years.

More than just paper tubes, Formatube concrete forms stand strong as the most economical way to create round columns and voids for buildings, structural columns, bridges and other residential and commercial structures.

EASY TO USE

Sonoco engineers have applied more than a century of leadership in design, technology and manufacturing to create low-weight and water-resistant forms, making them easier to handle, set up, strip and discard. Simply set today and pour tomorrow.

INDUSTRY-LEADING TECHNOLOGY AND VALUE

The superior strength-to-weight properties of Formatube forms prevent blowouts and may eliminate the need to use a crane during setup.

Contractors in Australia and New Zealand know Formatube concrete forms stand strong in their superior technology and value.

APPLICATIONS

- Columns for residential and commercial buildings and other structures
- Footings
- Piers
- Round void-forming in cast-in-place and pre-cast concrete for roof slabs, bridge decks and beams

ADVANTAGES

- Easier to set up and brace
- Fewer blowouts thanks to superior strength-to-weight properties
- Easy to cut to length and drill at the job site
- No cleaning, reassembling or return-freight costs
- Set and pour multiple columns at one time

ON THE JOB

DESIGN

- Lightweight Cardboard product, specifically designed to provide a fast, versatile method of pouring concrete columns and structural members
- A one-time use form—there's no cleaning, no oiling, and no form inventory required

PLACING

- Easy to handle
- The form can be cut to the correct length on site
- No bolting, nailing or piercing required
- Can be dropped over reinforcing bar cage
- A number of forms can be set for pouring at once

BRACING

- Easily brought to plumb with only minimum bracing required
- Use light timber or available scaffolding to keep forms plumb during pour
- For tubes up to 225 mm in diameter, brace at 2.5-metre intervals
- For tubes at and above 250 mm in diameter, brace at 3-metre intervals

POURING

Formatube forms are designed to be poured in a single lift using conventional methods and at a pour rate not exceeding 4.5 metres per hour and not in excess of 14 Kpa

Note: Use of a release agent is not required with Formatube forms, but is recommended when working with aggressive concrete formulations.

CURING

Formatube forms left in place prevent loss of moisture due to seepage, absorption and evaporation, thereby assuring proper hydration of the cement content and better curing.

STRIPPING

- Easy and quick; recommended 1-5 days after pouring
- Forms can be stripped by:
 - Making 2 vertical cuts up the column with a power saw and pulling form off
 - Making a vertical 30-cm cut in the tube with a linoleum knife, and then peeling spirally using a broad-blade tool

ENCASEMENT OF PILES, ETC.

Formatube forms can be slipped over a pole or around a pile by wiring the split form (a Formatube form with a longitudinal joint). This permits the form to be sprung around the piling and the edges to be taped or braced.

FINISH

F-3 grade

IMPORTANT:

- Keep dry before use
- For best results, store vertically to maintain roundness. If stored horizontally, elevate at least 100 mm off the ground and support the full length of the tube.
- Keep ends covered at all times and elevated a minimum of 100 mm from the ground before pouring
- Keep the base of the Formatube form above the surface water before pouring
- After placing the Formatube form, cover the top of the tube to prevent moisture damage before the concrete is poured (if necessary)
- DO NOT use if Formatube form is wet or soft

FORMING DETAILS (NOT TO SCALE)

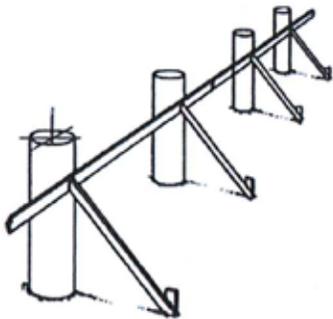
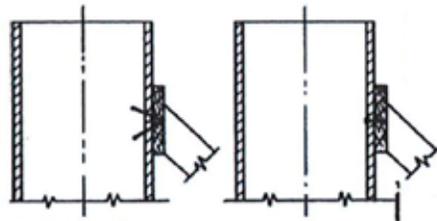


Fig. 1: Columns on a line

Bracing for relatively short columns where height-to-diameter does not exceed 12 to 1.



Section showing method for fastening bracing to Formatube form.

Section showing alternative fastening.

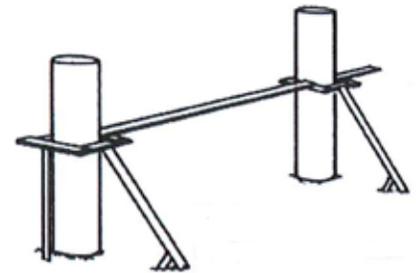
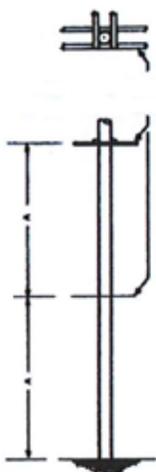


Fig. 2: Columns on a line

Bracing for relatively short columns



Tie bracing to existing structure or scaffold.

Fig. 3: Tall column bracing

Bracing for tall columns where already-erected building framing or scaffold is available for support.



Fig. 4: Tall column bracing

Alternative bracing for tall columns where support from building framing or scaffold is not possible.

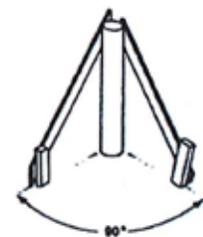


Fig. 5: Short column bracing

Bracing for short, single columns.

North Island

NOMINAL EX STOCK
INTERNAL CORES
DIAMETER 3 METRES

203 mm	✓
249 mm	✓
296 mm	✓
355 mm	✓
406 mm	✓
457 mm	✓
508 mm	✓
610 mm	✓
711 mm	✗
750 mm	✗
800 mm	✗
914 mm	✗

Non-stock sizes made to order, minimum 50 lineal metres

South Island

NOMINAL EX STOCK
INTERNAL CORES
DIAMETER 3 METRES

200 mm	✓
242 mm	✗
300 mm	✓
370 mm	✓
405 mm	✓
457 mm	✓
508 mm	✓
610 mm	✓

SIZES

- Standard length: 3000mm

Custom size lengths can be made between 1000-6000mm. Minimum quantity will apply. Lengths outside this range may be possible but will need to be discussed with a Sonoco Representative.

CONTACT US

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TO ORDER:

Purchase directly, or through a hardware and timber merchant

*Product cannot be returned and is nonrefundable

