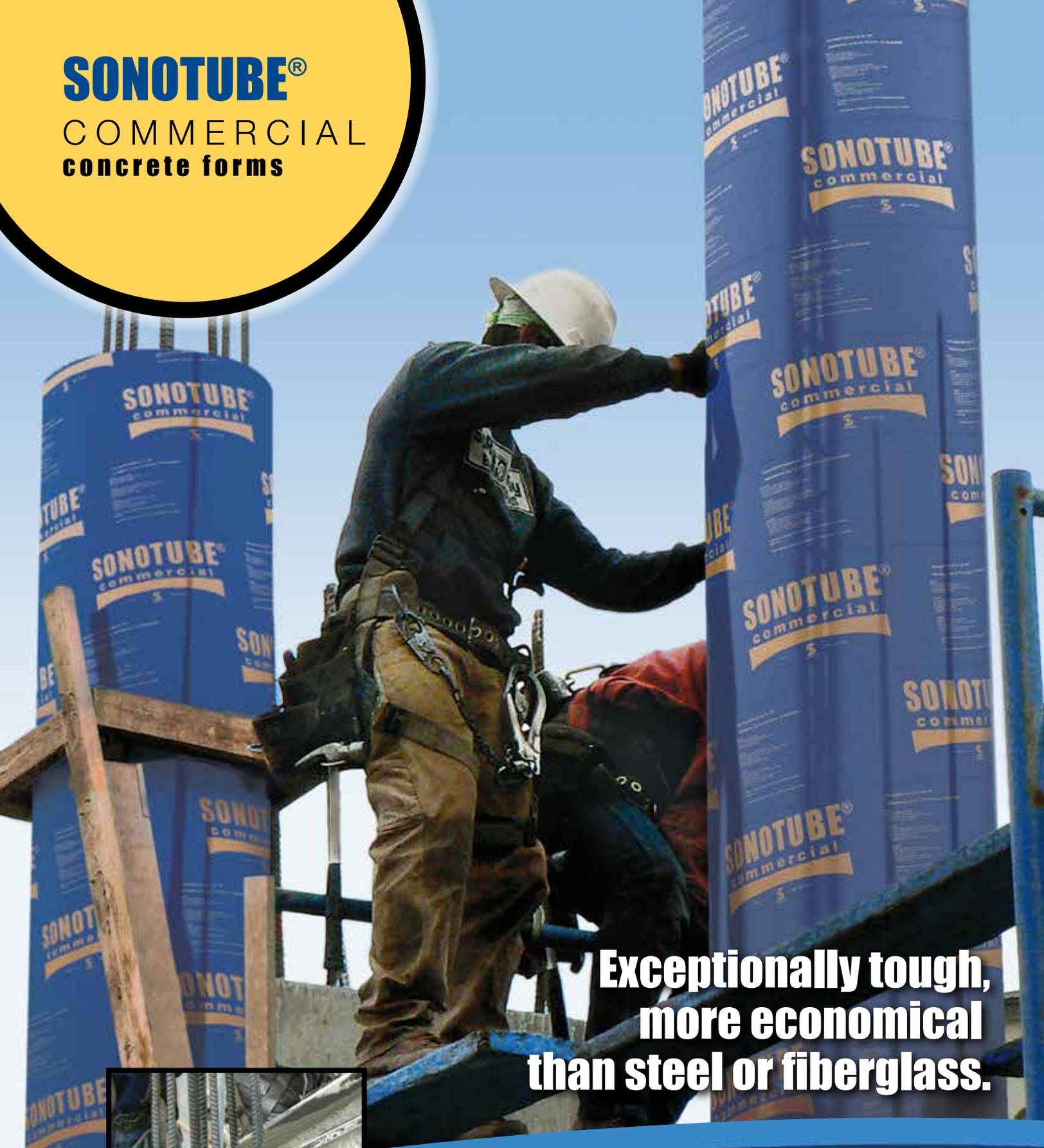


SONOTUBE®

COMMERCIAL
concrete forms



**Exceptionally tough,
more economical
than steel or fiberglass.**



F FORMTECH
concrete forms, inc.


SONOCO



Sonotube® commercial concrete forms: as tough as the contractors who use them

For the most demanding column forming applications, choose Sonotube® commercial concrete forms. More water resistant than standard paper forms, Sonotube commercial forms easily withstand 72 hours or more of rainfall. They also offer improved strength and tear resistance, and stand up to full liquid head pressures of heights up to 20 feet.

With the patented, poly-woven exterior, Sonotube commercial forms are perfect for distributors, concrete sub-contractors and general contractors with demanding commercial grade applications, and deliver a more functional, versatile and economical alternative to steel and fiberglass forms.

Applications

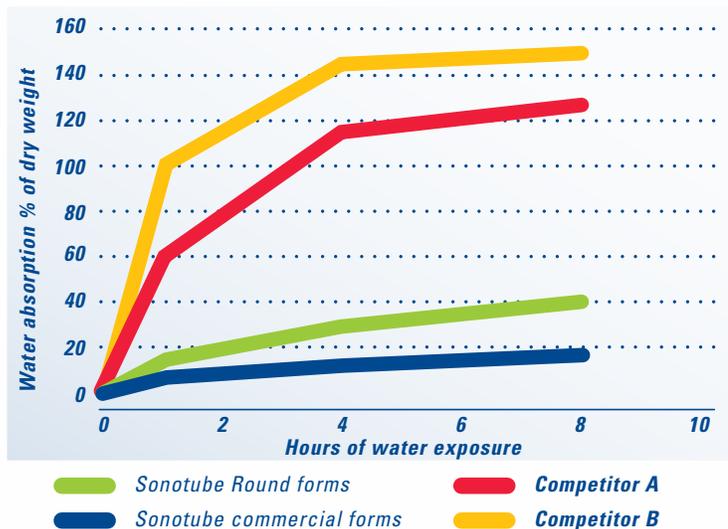
- *Columns for commercial buildings, bridges, parking decks, stadiums and other commercial grade applications*

Perfect for the most demanding job with:

- *Improved strength and tear resistance*
- *Patented poly-woven exterior*
- *Full liquid head pressures of heights up to 20 feet*
- *Ability to withstand rain* exposure for three days*

** Not to be used in standing water*

Water absorption comparison



Industry-leading technology and value

The superior strength-to-weight properties of Sonotube forms prevent blowouts and may eliminate the need to use a crane during setup. Contractors around the world can count on Sonotube commercial concrete forms to stand strong in their superior technology and value.

Advantages

- Full liquid head up to 20'.
- Highly water resistant.
- Impact resistant.
- Will not rust.
- Fast track projects.
- Single use so entire levels can be poured at once.
- Easy to cut to length or drill at the job site.
- Lightweight; may eliminate the need for a crane.
- No cleaning.
- No maintenance.
- No return freight.
- Safer: less weight/no pinch points.
- Available in nominal diameters for easy storage and transport.
- Manufactured throughout North America for minimal lead times and supply security.

Important instructions for field use

Storage

Sonotube commercial concrete forms are designed to withstand rain for up to 72 hours. For long-term storage, store the forms in a dry place at the job site:

- For best results, store forms vertically to maintain roundness.
- Keep ends covered.
- If stored horizontally, elevate a minimum of 4" off the ground and support the full length of the forms.



Placing

Even the largest Sonotube brand forms are easier to place either manually with block and tackle, or by crane:

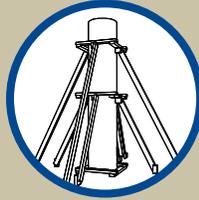
- Position over a reinforcing bar cage if desired.
- Avoid damaging the inside surface.
- Place individually or in groups for continuous pouring.



Bracing

Sonotube concrete forms require minimal bracing to be brought to plumb:

- Use light lumber or scaffolding.
- Secure the column foot with collars if necessary.
- If pouring bents for bridges, consider tying the column form in with the beam form.



Sonotube concrete forms can also be tied into other forms or structural members.

Pouring

NOTE: Use of a release agent is recommended with all Sonotube forms, especially when working with aggressive concrete formulations.

Sonotube concrete forms are engineered not to buckle, swell or lose shape. Sold in standard lengths of up to 20', Sonotube commercial concrete forms are designed to be poured in a single lift. Lengths greater than 20' should be poured at a rate of 20' per hour.

Concrete must be vibrated during pour.



Stripping

If stripping is required, strip the form as soon as possible after the concrete has set to prevent concrete from sticking to the form. Recommended time for the easiest and fastest stripping is 24 to 48 hours after the pour.

Stripping options:

- Use a circular power saw to make two vertical cuts on opposite sides of the form. To prevent marring, make sure the depth of cut is less than form thickness. Remove the form.
- Use a utility knife to cut the form from the top down at least 12 inches. Use a broad-bladed tool such as a shovel and short strokes to pry the form away from the column in a spiral motion.



Sonotube® Commercial concrete forms

Sizes

Forms are available in diameters ranging from 6" to 60" with standard lengths of 12' and 20." Custom lengths available upon request.

Concrete requirements *(Expressed in cubic yards for columns of various heights)*

| Diameter (in.) | Height of column | | | | | | |
|-------------------|------------------|-------|-------|--------|--------|--------|--------|
| | 3 ft. | 6 ft. | 8 ft. | 10 ft. | 12 ft. | 16 ft. | 20 ft. |
| 6 | .022 | .044 | .058 | .073 | .088 | .117 | .146 |
| 8 | .039 | .077 | .103 | .129 | .155 | .206 | .258 |
| 10 | .061 | .121 | .162 | .202 | .242 | .323 | .404 |
| 12 | .087 | .176 | .233 | .291 | .349 | .466 | .582 |
| 14 | .119 | .238 | .317 | .396 | .475 | .634 | .792 |
| 16 | .155 | .310 | .414 | .517 | .620 | .827 | 1.034 |
| 18 | .196 | .392 | .523 | .654 | .785 | 1.046 | 1.310 |
| 20 | .242 | .485 | .646 | .808 | .970 | 1.293 | 1.616 |
| 22 | .293 | .587 | .782 | .978 | 1.173 | 1.565 | 1.956 |
| 24 | .349 | .698 | .931 | 1.164 | 1.397 | 1.862 | 2.328 |
| 26 | .410 | .820 | 1.093 | 1.366 | 1.639 | 2.186 | 2.732 |
| 28 | .475 | .950 | 1.270 | 1.584 | 1.901 | 2.534 | 3.170 |
| 30 | .545 | 1.091 | 1.454 | 1.818 | 2.182 | 2.909 | 3.636 |
| 32 | .621 | 1.241 | 1.655 | 2.069 | 2.483 | 3.310 | 4.138 |
| 34 | .701 | 1.401 | 1.868 | 2.335 | 2.802 | 3.736 | 4.670 |
| 36 | .785 | 1.571 | 2.094 | 2.618 | 3.142 | 4.189 | 5.236 |
| 40 | .970 | 1.939 | 2.586 | 3.232 | 3.878 | 5.171 | 6.464 |
| 42 | 1.069 | 2.138 | 2.850 | 3.563 | 4.276 | 5.701 | 7.126 |
| 48 | 1.396 | 2.792 | 3.723 | 4.654 | 5.585 | 7.446 | 9.308 |
| 54 | 1.767 | 3.534 | 4.712 | 5.890 | 7.069 | 9.424 | 11.780 |
| 60 | 2.181 | 4.363 | 5.817 | 7.272 | 8.727 | 11.634 | 14.544 |

Learn more about Sonoco's construction products

Sonotube concrete forms, Sonovoid® brand void forms and BlastMaster blasting tubes are available from dealers throughout North America. For additional product or technical information, please contact your distributor, call Form Tech at 800.876.4857 or visit formtechinc.com.

Founded in 1899, Sonoco is a global provider of a variety of consumer packaging, industrial products, protective packaging, and displays and packaging supply chain services. With annualized net sales of approximately \$5 billion, the Company has 20,800 employees working in more than 330 operations in 34 countries, serving some of the world's best known brands in some 85 nations. Sonoco is proud to be a member of the Dow Jones Sustainability World Index for seven consecutive years. For more information on the Company, visit our website at www.sonoco.com.

Give us a call at any of our branch locations, email us at info@formtechinc.com, or click on formtechinc.com/quote to get a quote. Our experienced Form Tech representatives will answer your questions, and help you get your project started with some of the best concrete forming, shoring, and accessory products in the industry, backed by a professional and detail-oriented staff.



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