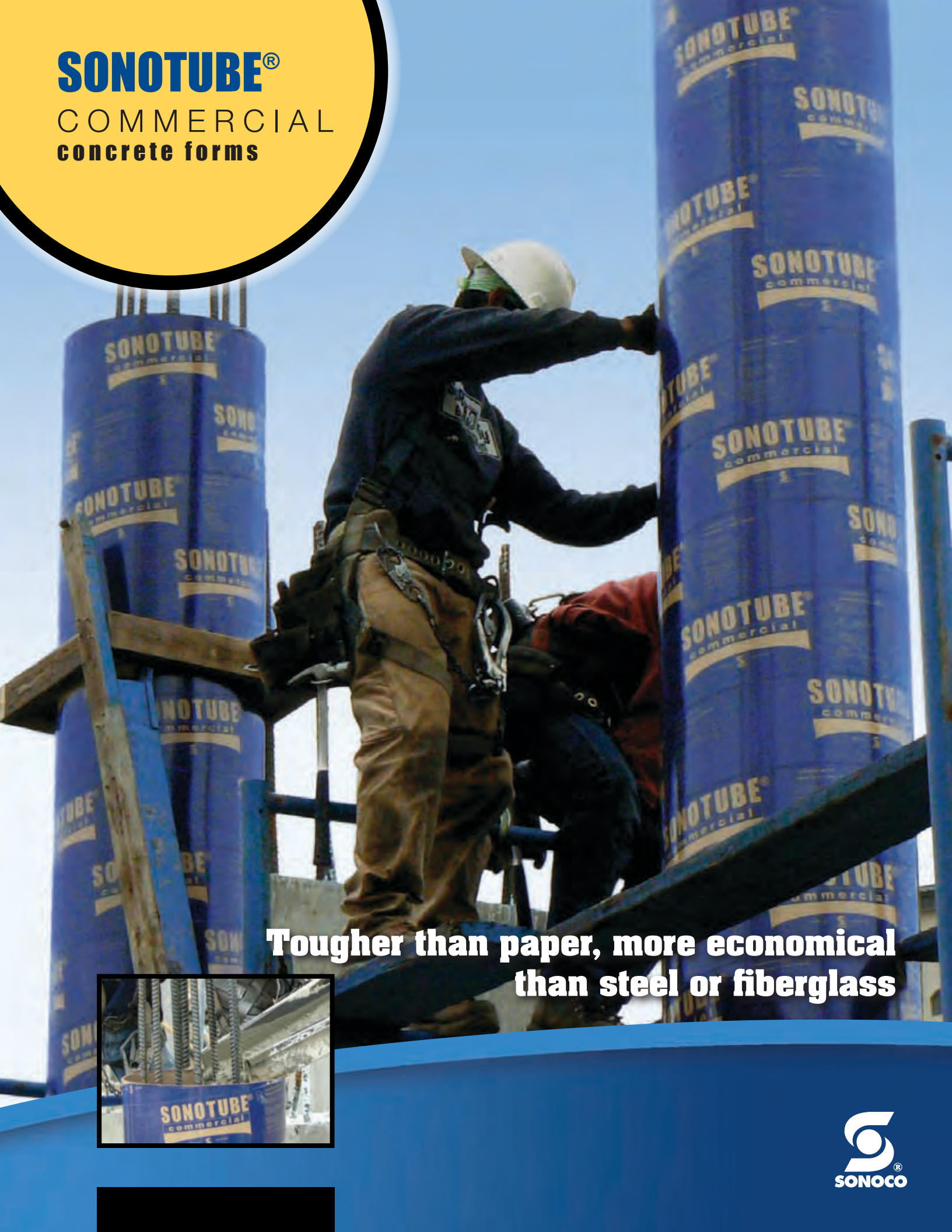


SONOTUBE®

COMMERCIAL
concrete forms



**Tougher than paper, more economical
than steel or fiberglass**





Introducing 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 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.

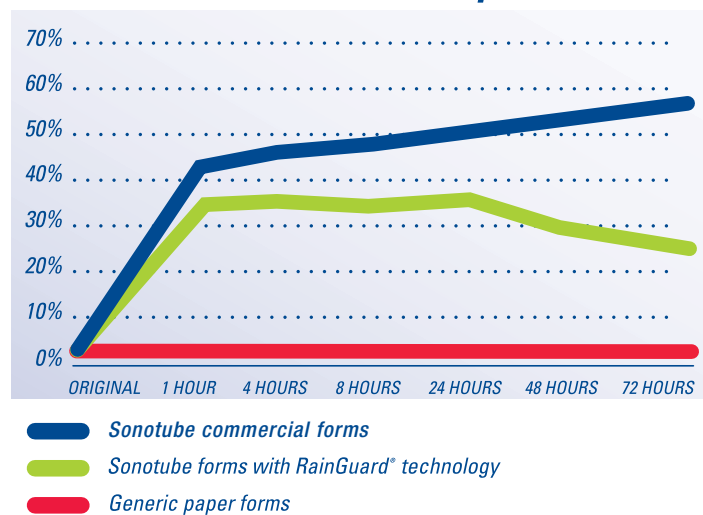
Applications

- 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 water exposure for three days or more

Water Resistance Improvement



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

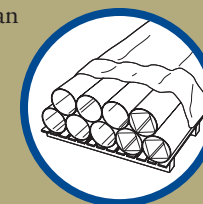
- Full liquid head up to 20 feet
- Highly water resistant
- Impact resistant
- Will not rust or warp
- Fast track projects
- Single use so entire levels can be poured at once
- Easy to cut to length or drill at the jobsite
- No crane required to move around jobsite
- No cleaning
- No maintenance
- No return freight
- Can be left in place to protect columns
- 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 can withstand rain for up to 72 hours. For long-term storage, store the forms in a dry place at the jobsite:

- For best results, store forms vertically to maintain roundness.
- Keep ends covered.
- If stored horizontally, elevate a minimum of 4 inches 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:

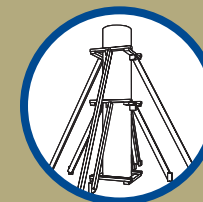
- Position over a reinforcing bar cage if desired.
- Avoid damaging the inside surface.
- Place individually or in groups for continuous pouring.



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.



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. Custom designs can be provided to support higher pour rates.

Concrete must be vibrated during pour.

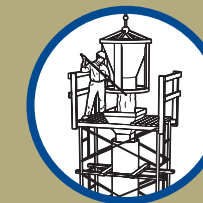
Stripping

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.

Stripped forms can be used to protect finished columns until completion of project.



On the Job

Sonotube® Commercial concrete forms

Sizes

Forms are available in lengths up to 60' with diameters ranging from 6" to 60."

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 Sonotube forms

Sonotube concrete forms are available from dealers throughout North America.

For additional product or technical information, please contact your Sonotube concrete form distributor or Sonoco.

Sonoco, founded in 1899, is a global manufacturer of industrial and consumer products and provider of packaging services, with more than 300 locations serving customers in 85 nations. For more information about the Company, visit the Sonoco Web site at sonoco.com.

sonotube.com 888/766-TUBE (8823)

SONOTUBE square • SONOTUBE round • SONOTUBE Finish Free® • SONOTUBE commercial • SONOVOID round • SONOVOID slab • SONOVOID beam

