



Market: Fireproofing
Product: Southwest Type 5GP™ & Southwest Type 7HD™

Cira Centre Tower Philadelphia, PA

The 32 story Cira Centre Tower project in Philadelphia, PA was recently completed with Southwest fireproofing products. Mason Building Group (MBG) of Newark, Delaware sprayed the project with a Putzmeister Big Blue and a Tommy Gun A 3.75. Both units used paddle mixers. The two pumps were set up inside the building on the first level. The 17,000 bag project began late in August, 2004 and was substantially completed by December 1st, 2004. The job was run with 3" aluminum standpipe through the center of the building. MBG was able to completely spray a floor roughly every 3 days. This efficient operation was able to keep the aggressive schedule set up by the general contractor, Turner Construction. The flat bed trailers were delivered to the site at odd hours to accommodate other trade's deliveries. Our local shipping and warehouse operation, Horwith Trucking in Allentown, PA made consistent on time deliveries.

With improvements to our products Southwest was able to meet the demands of the job both from a pumping pressure standpoint as well as yield. The total bag count came in on the original estimate. The yield provided by the Type 5GP was excellent. Our customers like the consistent yield our product provides. Not having to deal with variables of injection to achieve yield is a positive for our customers.



Cira Centre Tower, Philadelphia, PA used Southwest Type 5GP™ and Type 7HD™

A 3.75 Tommy Gun Setup

Line Set Up

3" Surge Line 15'
2" Line 50'
3" Standpipe 235'
2" Floor Line 200'
1-1/2" Line 50'
1-1/4" Line 50'
1" Whip Line 15'
Total: 615'

Paddle Mixer

Rate: 23 bags/hr
Orifice: 9/16"
Mini Shields



Putzmeister Big Blue Setup

Line Set Up

3" Surge Line 15'
2" Line 50'
3" Standpipe 215'
2" Floor Line 300'
1-1/2" Line 50'
1-1/4" Line 50'
1-1/4" Line / Whip
Total: 680'

Paddle Mixer

Rate: 30 bags/hr
Orifice: 5/8"
Mini Shields

The keys to having success on a project of this scope is proper job set up. MBG did an outstanding job of understanding this and implementing the plan. They understood that the little things often make the biggest impact. It isn't as simple as set up and blow bags. Many different factors need to be addressed. Individually they may not seem significant but taken in totality they can result in a much more profitable project.

By understanding the balance between yield and production MBG was able to maintain the schedule, achieve optimum yield, reduce waste to a bare minimum and keep the machines running smoothly with minimal repair. This should be the goal of all fireproofing contractors. MBG did a remarkable job in managing the project.

Keys to a successful job

- Proper hose setup
- Long tapered reducers
- Production vs. yield
- Proper water ratio
- Adequate mix time
- Spray orifice size
- Whip line length
- Minimum air pressure



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