

STABLE FLOW™ STANDS UP TO THE TEST

A large flowable fill contractor, who produces millions in annual sales, asked us to conduct our famous 10' Sonotube non-collapsing test. Below is an excerpt of the results.



Performing the 10' Sonotubes Stable Flow tests on-site

Tested at densities of 35PCF, 27PCF and 22PCF, each settled exactly as it had at pour with the same consistency. Absolutely zero collapse was observed. An additional test proved that it met excavatable specifications of having the cured concrete below 150PSI. In addition, the Stable Flow concentrate only required a dilution rate of 1 part of concentrate to 120 parts of water, *3 times the dilution of most competitors.*

THE TEST

After unsuccessfully testing several competing air entraining agents, a large flowable fill contractor asked **Cellular Concrete Technologies** to demonstrate the capabilities of **Stable Flow™** on location. Tests of flowable fill collapsibility were performed using a 10 foot tall, 24 inch diameter Sonotube that was filled with a 5 sack cement mix with 76% air-entrainment having an anticipated density of 30 pounds per cubic feet.



Stable Flow settling after the pour

A COMPARISON

Tested under similar conditions with a similar mix, a competing product showed poor results once settled. The instability of the flowable fill caused the mix to bubble dramatically as it lost a significant volume. The concrete collapsed more than 50%, considerably below 5 feet once settled. This product had the dilution rate of 1 part of concentrate to 40 parts of water, the average rate of products available on the market today.



A competing product's significant volume loss greater than 5 ft.



Top 2 Stable Flow tubes compared to the competitor's tube at the bottom

In a separate on-site job of a 4 foot design, it was observed that a separate competing product also had large bubbles flowing out of the hose during pour. It also was collapsing and did not completely self-level. As a result, the job needed to be filled in 2 to 3 feet increments which required an additional day on the job to fill in the rest of the flowable fill.

THE CONCLUSION

Stable Flow, a Caltrans approved and ASTM C260 certified product, not only provides a superior, non-collapsing, excavatable flowable fill product, but also the ability to reduce labor, time and material expenses.

Photos courtesy of the Stable Flow customer. For a price comparison, please call (877) 828-1954.