



SELF CONSOLIDATING GROUT MIXING INFORMATION

NOTE: SPEC MIX SELF CONSOLIDATING GROUT (SCG) will use less water than standard grout.

- 1.) Begin by adding just enough water to allow the paddles to turn freely (but still stiff) without bogging down (approximately 80% of the water required for standard masonry grout). You are more likely to add too much water at this stage.

-ASTM C 1611 states that the SCG mixture must have between a 22 inch and 30 inch, "slump flow". Contractor should pre-qualify a water addition rate and acceptable slump flow.

- 2.) Once the mixer is full allow to mix for 5 minutes after final dry product has been added.
- 3.) After the first three minutes the SCG GROUT will loosen up or "Wet Out" and begin to look more fluid due to the specialized admixtures in SCG. Once the SCG has achieved "Wet Out", allow 2 more minutes of mixing.
- 4.) Add more water or dry mix as necessary. Do not add more water until the mixture first loosens up. Do not remove grout from mixer until the mixture has Wet Out.

-Discard if not used in 30 minutes after initial mixing.

-Standard Grout is measured by slump with a slump cone. SCG is measured by slump flow with a slump cone and a spread graph.

-For complete mixing and handling instructions refer to the SPEC MIX SCG Data Sheet





SELF CONSOLIDATING GROUT SLUMP FLOW TEST

NOTE: This “Slump Flow” test is take from ASTM “C 1611-05 Standard Test Method for Slump Flow of Self-Consolidating Concrete”



The slump flow test is used to determine the appropriate water content and fluidity of the product. To run this test, place the SPEC MIX SCG target on a level surface. Turn a slump cone upside down directly over the center of the target. Fill the slump cone with SPEC MIX SCG directly from the mixer. Once full to the top, lift the slump cone. The product should spread out evenly, without segregation or separation and when measured should have a spread between 22 and 30 inches. It must spread out to 20 inches in 2 to 5 seconds. This is the T-20 test. We are really targeting 26 to 29 inches in total spread during the slump flow test. If the spread is less than 22 inches, add more water to the mixture and repeat the test. If the product spreads beyond 30 inches, add more dry product to the mixture and repeat the test until the appropriate spread is obtained. Once the final spread is reached, the outer edge should be checked for bleed water and the center of the SCG disc should be checked for coarse and stiff material. Neither should be present, this is the Visual Sight Index (VSI). Finally, an S should be drawn through the SCG disc. This is the self healing test. The material should flow back together rapidly without segregation or bleed water.