

**PERFORMANCE EXAM CHECKLIST**

**SLUMP FLOW OF SELF-CONSOLIDATING CONCRETE (SCC)**

**FOP FOR AASHTO T 347**

**VISUAL STABILITY INDEX (VSI) OF SELF-CONSOLIDATING CONCRETE (SCC)**

**FOP FOR AASHTO T 351**

Participant Name \_\_\_\_\_ Exam Date \_\_\_\_\_

**Record the symbols “P” for passing or “F” for failing on each step of the checklist.**

<b>Procedure Element</b>	<b>Trial 1</b>	<b>Trial 2</b>
1. Mold and floor or base plate dampened?	_____	_____
2. Base plate and inverted mold placed correctly on a level stable surface and held down firmly?	_____	_____
3. Mold slightly overfilled?	_____	_____
4. Concrete struck off level with top of mold using strike-off bar?	_____	_____
5. Concrete removed from around the outside of the mold?	_____	_____
6. Stopwatch started?	_____	_____
7. Mold lifted upward 230 ± 75 mm (9 ±3 in.) in one smooth motion, without a lateral or twisting motion of the mold, in 3 ±1 seconds?	_____	_____
8. Test performed from start of filling through removal of the mold within 2 ½ minutes?	_____	_____
9. Time recorded for slump flow patty to contact the 500 mm (20 in.) ring?	_____	_____
10. Slump flow measured and averaged correctly?	_____	_____
11. VSI on the baseplate and wheelbarrow or mixer determined and recorded?	_____	_____

Comments: First attempt: Pass\_\_\_\_Fail\_\_\_\_ Second attempt: Pass\_\_\_\_Fail\_\_\_\_

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Examiner Signature \_\_\_\_\_ WAQTC #: \_\_\_\_\_



**PERFORMANCE EXAM CHECKLIST**

**PASSING ABILITY OF SELF-CONSOLIDATING CONCRETE (SCC) BY J-RING FOP FOR AASHTO T 345**

Participant Name \_\_\_\_\_ Exam Date \_\_\_\_\_

**Record the symbols “P” for passing or “F” for failing on each step of the checklist.**

Procedure Element	Trial 1	Trial 2
1. Mold and floor or base plate dampened?	_____	_____
2. Base plate, J-Ring, and inverted mold placed correctly on a level stable surface and mold held down firmly?	_____	_____
3. Mold slightly overfilled?	_____	_____
4. Concrete struck off level with top of mold using strike-off bar?	_____	_____
5. Concrete removed from around the outside of the mold?	_____	_____
6. Mold lifted upward 230 ± 75 mm (9 ±3 in.) in one smooth motion, without a lateral or twisting motion of the mold, in 3 ±1 seconds?	_____	_____
7. Test performed from start of filling through removal of the mold within 2 ½ minutes?	_____	_____
8. The J-Ring flow measured and averaged correctly?	_____	_____
9. Passing ability calculated correctly?	_____	_____
10. The heights of the SCC patty measured:		
a. At the center of the J-Ring?	_____	_____
b. Just inside the J-Ring in four locations?	_____	_____
c. Just outside the J-Ring in four locations?	_____	_____
11. J-ring test value calculated correctly?	_____	_____

Comments: First attempt: Pass\_\_\_\_Fail\_\_\_\_Second attempt: Pass\_\_\_\_Fail\_\_\_\_

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Examiner Signature \_\_\_\_\_ WAQTC #: \_\_\_\_\_



**PERFORMANCE EXAM CHECKLIST**

**PENETRATION TEST FOR STATIC SEGREGATION RESISTANCE OF SELF-CONSOLIDATING CONCRETE (SCC)  
WAQTC TM 18**

Participant Name \_\_\_\_\_ Exam Date \_\_\_\_\_

**Record the symbols “P” for passing or “F” for failing on each step of the checklist.**

<b>Procedure Element</b>	<b>Trial 1</b>	<b>Trial 2</b>
1. Penetration Apparatus prepared:		
a. Cylinder dampened?	_____	_____
b. Hollow cylinder spins freely?	_____	_____
c. Hollow cylinder does not protrude past the bottom of the frame?	_____	_____
d. Set screw tightened?	_____	_____
2. Mold and floor or base plate dampened?	_____	_____
3. Inverted mold placed correctly on a level stable surface?	_____	_____
4. Mold slightly overfilled?	_____	_____
5. SCC struck off level with top of mold using strike-off bar?	_____	_____
6. SCC allowed to stabilize for 80 ±5 sec?	_____	_____
7. Penetration apparatus positioned correctly:		
a. Penetration head aligned with the center of the inverted mold?	_____	_____
b. Penetration head lowered to just touch the surface of the SCC?	_____	_____
c. Mark on the top of the scale that is in line with the top of the metal rod read correctly?	_____	_____
8. Set screw released after 80 ±5 sec?	_____	_____
9. Mark on the top of the scale that is in line with the top of the metal rod read correctly?	_____	_____
10. Penetration depth calculated correctly?	_____	_____

Comments: First attempt: Pass \_\_\_ Fail \_\_\_ Second attempt: Pass \_\_\_ Fail \_\_\_

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Examiner Signature \_\_\_\_\_ WAQTC #: \_\_\_\_\_



**PERFORMANCE EXAM CHECKLIST**

**STATIC SEGREGATION OF SELF-CONSOLIDATING CONCRETE (SCC) USING THE COLUMN METHOD  
WAQTC TM 19**

Participant Name \_\_\_\_\_ Exam Date \_\_\_\_\_

**Record the symbols “P” for passing or “F” for failing on each step of the checklist.**

Procedure Element	Trial 1	Trial 2
1. Mold dampened with no excess water?	_____	_____
2. Mold slightly overfilled?	_____	_____
3. SCC struck off level with top of mold using strike-off bar?	_____	_____
4. SCC allowed to stabilize for 15 ±1 min?	_____	_____
5. SCC in top section pulled onto collector plate with a rotating and screeding motion and placed into a plastic container?	_____	_____
6. SCC in middle section pulled onto collector plate with a rotating and screeding motion and discarded?	_____	_____
7. SCC from top section washed over a 4.75 mm (No. 4) sieve so that only the coarse aggregate remains and placed in a clean plastic container?	_____	_____
8. SCC from the bottom portion of the mold washed through the 4.75 mm (No. 4) sieve so that only the coarse aggregate remains and placed into a clean plastic container?	_____	_____
9. Coarse aggregate from the top and bottom sections surface dried?	_____	_____
10. Mass of the surface dry aggregate determined and recorded to the nearest 50 g?	_____	_____
11. Static segregation calculated correctly?	_____	_____

Comments: First attempt: Pass\_\_\_\_Fail\_\_\_\_ Second attempt: Pass\_\_\_\_Fail\_\_\_\_

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Examiner Signature \_\_\_\_\_ WAQTC #: \_\_\_\_\_

