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|  | | | | | **Illinois Test Procedure SCC-3 Checklist**  **Passing Ability of Self-Consolidating Concrete by J-Ring and Slump Cone** | | | | | |
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| The following is a summary checklist of the key steps involved in testing the passing ability of freshly mixed self-consolidating concrete (SCC) using the J-Ring and slump cone. | | | | | | | | | | |
|  | | | | | | | | | | |
| **Did the tester:** | | |  | | | | | **YES** | **NO** |  |
|  | | | | | | | | | | |
| 1. | Dampen the slump cone, tamping rod or strike-off bar, base plate, and J-Ring? | | | | | | |  |  |  |
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| 2. | Place the J-Ring in the middle of the base plate, and place the cone’s smaller diameter opening centered within the J-Ring? | | | | | | |  |  |  |
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| 3. | Fill the cone in one lift without vibration, rodding, or tapping? | | | | | | |  |  |  |
|  | | | | | | | | | | |
| 4. | Strike off the concrete level with the top of the cone using the tamping rod or strike-off bar? | | | | | | |  |  |  |
|  | | | | | | | | | | |
| 5. | Remove surplus concrete from around the base of the mold and base plate surface? | | | | | | |  |  |  |
|  | | | | | | | | | | |
| 6. | Raise the cone vertically 9 ± 3 in. (225 ± 75 mm) in one smooth motion, without lateral or torsional motion, in 3 ± 1 seconds? | | | | | | |  |  |  |
|  | | | | | | | | | | |
| 7. | Perform the test from start to raising of the cone within 2.5 minutes? | | | | | | |  |  |  |
|  | | | | | | | | | | |
| 8. | Measure the slump flow’s maximum diameter and measure the diameter perpendicular to the maximum to the nearest 0.5 in. (10 mm)? | | | | | | |  |  |  |
|  | | | | | | | | | | |
| 9. | Calculate the difference between the J-Ring flow and the unobstructed slump flow, as tested according to Illinois Test SCC-2? | | | | | | |  |  |  |
|  | | | | | | | | | | |
| 10. | Rate the passing ability according to the Passing Ability Rating? | | | | | | |  |  |  |
|  | | | | | | | | | | |
| Tester: | |  | | Observer: | |  | Date: | |  | |
|  | | | | | | | | | | |
| REMARKS: | |  | | | | | | | | |
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