

# SCC Qualification and Testing Frequency Form



The following frequencies are required during qualification of mix designs for self-consolidating concrete and during the subsequent production testing, as outlined in MNL-116 and MNL-117. Record the results of the target values/ranges for each mix parameter in the spaces to the right, for reference by the QC staff during production testing.

Mix # \_\_\_\_\_ Qualification Date: \_\_\_\_\_

SLUMP FLOW RANGE: ASTM C1611  
*each 75 cubic yards per mix design and whenever 28-day cylinders are made* \_\_\_\_\_

T-20 RANGE ASTM C1611  
*twice per mix design, per month, or whenever there is a stability issue* \_\_\_\_\_

VSI ASTM C1611  
*each 75 cubic yards per mix design and whenever 28-day cylinders are made* \_\_\_\_\_

AIR CONTENT RANGE ASTM C231 / ASTM C173  
*each 75 cubic yards per mix design and whenever 28-day cylinders are made* \_\_\_\_\_

J-RING ASTM C1621  
*once per mix for qualification, or whenever there is an issue with blocking* \_\_\_\_\_

COLUMN SEGREGATION ASTM C1610  
*once per mix for qualification, or whenever there is an issue with segregation* \_\_\_\_\_

PENETRATION SEGREGATION ASTM C1712  
*once per mix for qualification, or whenever there is an issue with segregation* \_\_\_\_\_

UNIT WEIGHT ASTM C138  
*each 75 cubic yards per mix design and whenever 28-day cylinders are made* \_\_\_\_\_

TARGET STRENGTH\* ASTM C39  
*once every 75 yards, or once per production bed* \_\_\_\_\_

*\*See ASTM C1758 - Standard Practice for Fabricating Test Specimens with Self-Consolidating Concrete*

QC Manager: \_\_\_\_\_