



## RELEASE FORM

### COMPRESSIVE STRENGTH TEST RESULTS

Effective quality control of ready-mix concrete is a critical aspect in ensuring long term sustainability, durability and performance of Canadian infrastructure. Field sampling and test procedures outlined in CSA A23.2 are to be conducted by certified personnel under an industry-recognized program and allows the ready mixed suppliers to evaluate their mix designs and make the necessary adjustments for optimal performance.

Compressive strength is one of the primary evaluation methods for determining the performance of ready-mix concrete. Cylinders are cast and stored as per CSA A23.2-3C *Making and Curing Concrete Compression and Flexural Test Specimens* and evaluated as per CSA A23.2-9C *Compressive Strength of Cylindrical Concrete Specimens*. This provides verification that the concrete can achieve the strength values required by the designer. Annex B of CSA A23.2 shows a typical sample form of a compressive strength test result and provides information that is vital for the ready-mix supplier.

Under the performance specification option of CSA A23.1, the concrete supplier uses test results to evaluate the performance and suitability of the mix design. If the concrete supplier identifies deficiencies such as inadequate air contents, slumps, unit weights or compressive strength deviations, adjustments may be necessary to satisfy the performance alternative as is defined in CSA A23.1 Table 5.

#### CSA A23.2-25C 6 Reporting

Unless otherwise agreed, test results shall be provided to the owner, contractor and concrete supplier within five working days of completion of the test. Both field and laboratory test reports shall include all information required by the applicable test methods of CSA A23.2. Keeping the concrete producer up to date with the latest results, allows them to identify trends, make mix design adjustments and take proactive measures to ensure product consistency, performance and sustainability.

**Please specify company representative(s) to whom the test results should be sent:**

Name	Company	E-Mail Address

*\* It is here-by understood that no formal agreement has been presented to the concrete supplier that the test results will not be issued for their review.*