Soil Resistance R-Value Samples 193(A) and 194(B)
Sample Instructions

Closing Date: May 7, 2026

General Information:

Treat each sample as you would treat a typical sample brought into the laboratory. Any special handling or preparation instructions are included below. Conduct tests on each of the two samples in accordance with the instructions below. Report the results of a single determination only, not the average of two or more unless specified in the test method or instructions.

Reporting the results to an extra decimal place beyond what is required by the test method is requested for statistical reasons and equates to more precise data that is available to analyze.

To permit an estimate of single-operator precision, the same operator should conduct an individual test on both samples. It is not necessary that the same person conduct all the tests in the sample round.

Leave the appropriate spaces on the data sheet blank for any tests you choose not to perform.

Information for AASHTO Accredited Laboratories:

AASHTO accredited laboratories are required to perform every test included in an AASHTO re:source Proficiency Sample Program that is also listed under each laboratory's AASHTO Accreditation Scope.

AASHTO Accreditation Policy on PSP Participation

Tests not included under the laboratory's accreditation may also be performed, but testing is not required, and the AASHTO Accreditation Program will not evaluate the ratings.

Sample Information:

You should receive two boxes of material for Soil Resistance R-Value samples 193(A) and 194(B).

Each sample box should contain one bag of soil (approximately 8.5 kg).

Test Methods:

Determination of Water (Moisture) Content of Soils AASHTO T265-22/ASTM D2216-19:
Determine the water content of the material as received. Report the results to the nearest 0.1%.

Resistance R-Value and Expansion Pressure of Compacted Soils T190-25 or D2844-18e1: Determine the R-Value. Report the R-Value at an exudation pressure of 300 psi (2068 kPa) to the nearest 0.1 unit.

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