



2022 Changes

C67

The procedure for compressive strength was updated to allow for speed of testing to be determined by either time limit or rate limit – Section 7.3.4.

C232

The procedure section was altered, and the procedure for correcting the mass of bleed water was removed – Section 7.2.

C1579

The standard has been updated to include terminology – Section 3.

C1645

The curing procedure was altered slightly to match other paving slab standards. Additionally, the air curing now has a minimum relative humidity of 40 % – Section 6.

C39

The report section has been updated. The serial number of the delivery ticket is now required to be listed on the report – Section 10.1.2.

C78

The equipment section was updated. If a testing machine has a spherical head, it will be checked for compliance to C39 – Section 5.2.6.

C140

Requirements have changed for cutting coupons of segmental retaining units. If an SRW unit has an architectural or nonplanar surface, the coupon should be cut as far away from the architectural/nonplanar face as possible and not less than 2 inches from that surface – Subsection A3.4.1.

C241

For equipment, Figure 1 has been replaced with an updated image, and apparatus criteria references in the standard body have been changed accordingly – Section 6.1.

The procedure for the sampling and conditioning of specimens was modified. Specimens need to be free of fractures, and at least one specimen must have the finish to be evaluated. The tolerance for rounding the edges is now a radius of $\frac{1}{32}$ - $\frac{1}{16}$ inch [1 -2 mm] – Section 8.1. Additionally, the tolerance for constant mass is now within ± 0.05 g, and specimens must be stored in a desiccator until testing – Section 9.1.

Lastly, the test procedure was slightly adjusted. Test specimens should be placed with the finished face touching the grinding lap before being abraded – Section 10.1.

C1293

The procedure for curing specimens was updated. Curing time in a 23.0 ± 2.0 °C environment has been changed from 16 ± 4 hours to 18 ± 6 hours – Section 10.2.2.

Procedure was updated. The cement is now to be mixed according to manufacturer instructions. If no instructions are available, mix according to C305 – Section 7.1.1.

2021 Changes

C39

The report section has been updated. The serial number of the delivery ticket is now required to be listed on the report – Section 10.1.2.

C78

The equipment section was updated. If a testing machine has a spherical head, it will be checked for compliance to C39 – Section 5.2.6.

C140

Requirements have changed for cutting coupons of segmental retaining units. If an SRW unit has an architectural or nonplanar surface, the coupon should be cut as far away from the architectural/nonplanar face as possible and not less than 2 inches from that surface – Subsection A3.4.1.

C241

For equipment, Figure 1 has been replaced with an updated image, and apparatus criteria references in the standard body have been changed accordingly – Section 6.1.

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C1293

The procedure for curing specimens was updated. Curing time in a 23.0 ± 2.0 °C environment has been changed from 16 ± 4 hours to 18 ± 6 hours – Section 10.2.2.

C40

The Gardner color standard was updated in Table 1 to reflect changes D1544 color standard and in newer equipment for color comparison – Section 10.2.

C42

Pre-compression testing core length and diameter measurement procedures were updated – Section 7.7.

C67

Requirements have changed for dimensional measuring equipment: use a gage or caliper (no steel rule) – Section 13.1. Precision has changed in the dimension measuring procedure: record individual measurements to 1/100 inch [0.25mm] – Section 13.3.

C70

The equipment section has been updated to require a thermometer that can measure a range of 0-50 °C – Section 5.3. For both procedures the water temperature must be in the range of 18-29 °C – Section 7.1.

C131

The equipment section has been updated. An oven capable of maintaining $110 \pm 5^\circ\text{C}$ is now listed – Section 6.4.

C185

Equipment was updated. Both the straightedge and trowel must be plane to 1 mm. Procedure was also updated; in addition to the straightedge, the trowel is now allowed for striking off the flow mold – Section 10.3.

C348

Procedure section has been updated so that the units for prism loading are correct (2640 ± 110 N/min) – Section 10.5.3.

C452

The procedure for storage of specimens was updated to include the words “lime saturated” – Section 12.2.

C1074

Procedure change: specimens should be cured according to C511 only if not otherwise specified – Section 8.3.

C1093

Updated to require certifications for testing technicians – Section 7.

C1353

There is a minor equipment change to wheels – Section 6.2.1. The procedure has been updated to be consistent with other C18.01 test methods – Section 8.2.

C1542

Equipment was updated. There is now a resolution requirement for the jaw calipers (0.001 in.), as well as a depth requirement for the calipers with offset points attached (2.5 in.) – Section 5.1.

C1645

Equipment was updated. The required oven temperature has been changed to $110 \pm 5^{\circ}\text{C}$ – Section 4.3.

C1698

Procedure was updated. The cement is now to be mixed according to manufacturer instructions. If no instructions are available, mix according to C305 – Section 7.1.1.

C1716

Further terminology was added to explain solutions for bearing and support blocks – Subsection 4.7.6.

E329

Identification of individual performing tests no longer needs to be a full name; initials are also acceptable – Section 12.1.12.