

Certificate Of Compliance Process

Concrete Curing Compound

The Chemical Testing Branch ensures the quality of Concrete Curing Compounds through the Certificate of Compliance program (COC). The COC is the Manufacturer's documentation that their batch of curing compound meets Caltrans requirements under section 90-1.01D (6) of the Standard Specifications.

The following Curing Compounds are listed in the Caltrans Standard Specification:

Curing compound no.	ASTM C309 classification
1	Pigmented, Type 2, Class B ^a
2	Pigmented, Type 2, Class B
3	Pigmented, Type 2, Class A
4	Nonpigmented, Type 1, Class B
5	Nonpigmented, Type 1, Class A
6	Nonpigmented with fugitive dye, Type 1-D, Class A

- (a) The resin type must be poly-alpha-methylstyrene. The infrared scan for the dried vehicle must match the scan on file at METS.

For new Manufacturers who would like to participate in the COC process for concrete curing compounds, contact the Chemical Testing Branch with the following:

1. Letter of Intent.
2. Safety Data Sheet.
3. Submit required tests listed in Caltrans Standard Specifications - Section 90-1.01D (6) Concrete Curing Compounds.

The Chemical Testing Branch will email a blank copy of the COC once the new Manufacture is approved for the COC process. The following information is required in a COC when materials are submitted for testing:

1. Manufacturer's name and location.
2. ASTM C309 classification.
3. Batch number.
4. Batch volume.
5. Date of manufacture, Certificate number, and date certificate issued.
6. Certification that the material was tested within a year before use.
7. The Manufacturer will provide four-quart metal containers, including one batch sample and three tote samples (beginning, middle, and end) for testing with all necessary labels.

8. Volatile organic compound content.
9. Statement that the contents comply with State Air Pollution Control rules and regulations.

Send Sample to: Chemical Testing Branch
Caltrans Transportation Laboratory
5900 Folsom Blvd
Sacramento, CA 95819

First, the submittal will be reviewed, and the Chemical Testing Branch will complete and approve department verification testing. Subsequently, the Chemical Testing Branch will perform quality assurance testing on every batch sample for six months to one year to ensure the material meets the requirements of applicable test standards. If the Manufacturer's specific product continually meets the requirements in the set amount of time, the Manufacturer's specific product will be added to the COC program.

Once accepted to the COC program, the Manufacturer will continue to send in four-quart metal containers. The containers should be labeled with the corresponding paperwork batch number. The Chemical Testing Branch receives batch samples and tests and resolves discrepancies with the Manufacturer.

If a Manufacturer cannot maintain COC compliance at any time, it must contact the Chemical Testing Branch to discuss its options. The Chemical Testing Branch reserves the right to remove a Manufacturer for non-COC compliance. The Manufacturer will be placed back on a batch-by-batch testing program until the non-COC compliance is resolved.

Email: Chemistry.Branch@dot.ca.gov