

Detectable Warning Surface Authorization Criteria



The California Department of Transportation (Caltrans) will accept detectable warning surface products into the Authorized Material List according to the acceptance criteria described herein.

Background

On September 15, 1999, California Assembly Bill No. 685 was signed into law and added Section 4460 to the Government Code of California. This law directs the California Department of General Services, Division of the State Architect (DSA), to create an independent entity evaluation and certification program for detectable warnings and directional surfaces installed after January 1, 2001. The program is to ensure that such products conform to the architectural design standards as set forth in the California Building Standards Code and meet durability and degradation criteria yet to be determined. For additional information, please visit the DSA's website for:

[Evaluation of Detectable Warning Products and Directional Surfaces.](#)

Until DSA's evaluation program is fully operational, Caltrans will accept prefabricated detectable warning products consistent with the DSA bulletin:

[Exception to the Independent Entity Evaluation and Product Approval of Detectable Warnings and Directional Surfaces.](#)

Submittal Requirements

1. Authorized Material List Submittal Form. See Product Evaluation Program webpage at [https://dot.ca.gov/programs/engineering-services/product-evaluation-program.](https://dot.ca.gov/programs/engineering-services/product-evaluation-program)
2. A product sample 6" x 6" must be submitted for evaluation.
3. A 5-year Limited Manufacturer's Warranty that complies with the following:

[Manufacturer's Name] warrants [Product Name] to the purchaser, Caltrans, or any assignee against defects in materials and workmanship of dome shape, color fastness, sound-on-cane acoustic quality, resilience, and attachment for a period of five (5) years from the date of installation. The remedy for product noncompliance with this warranty shall be repair or replacement of the product, whichever is reasonable under the circumstances, or reimbursement of the purchase price of the product, as reasonably determined within assignees' sole discretion. This warranty is assignable without limitation or derogation of any representations, other warranties, or any other obligations. This warranty is governed under the laws of the State of California.

4. Product Literature:

- Brochure.
- Detailed product drawings that show the dimensions of the detectable warning surface dome geometry and the overall size and thickness.
- Installation instructions (must include required personal protective equipment as stated on the Safety Data Sheet).
- Verification of the manufacturer warranty that complies with the 5-year warranty requirement per number 4 above.
- Available colors. Include the Federal standard color number.

5. Test Data:

- Compliance with the detectable warning surface dome geometry per Caltrans Standard Plan A88A; see link at <https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications>. Submit written confirmation and test data findings by an independent testing laboratory using a typical product sample. Provide dome geometry measurements in inches using calipers. Measurements are to be provided according to the following:

Dome Geometry	Measurements Rounded to Decimal Place
Dome Top Diameter	X.XX
Dome Base Diameter	X.XX
Dome Height	X.X
Dome Center-to-Center Spacing	X.X

- Compliance with the yellow color requirement per SAE AMS-STD-595, Color No.33538 per Caltrans Standard Specifications. Submit written confirmation and test data findings by an independent testing laboratory using a typical product sample. Testing criteria will be according to ASTM D1729 Standard Practice for Visual Appraisal of Colors and Color Differences of Diffusely-Illuminated Opaque Materials.
- Compliance with the prefabricated detectable warning surface requirements per California Standard Specifications.

6. Safety Data Sheet (SDS). This type of product may require handling by Caltrans employees; therefore, the SDS will be forwarded to the Office of Health and Safety Services for review and acceptance. NOTE: For the protection of Caltrans employees, Safety Data Sheets that do not list the product ingredients or components will be rejected. Also, assume that the product will need to be cut to fit a unique configuration.

7. Contact list, if applicable, identifying other entities that have utilized the product.

8. Other pertinent information.

Processing Requirements

Incomplete Submittals will not be considered and will be discarded after 30 days.

An authorization of a product will expire in three years. Authorization of resubmittals should occur before the expiration date to remain on the Authorized Material List.

Caltrans reserves the rights to sample and to remove a product from the Authorized Material List at any time.