ORGANIC ZINC RICH PRIMER, AUTHORIZATION REQUIREMENTS AND ACCEPTANCE CRITERIA

The following requirements are required to authorize organic zinc rich primers for inclusion on the California Department of Transportation (Caltrans) Authorized Material List (AML) before incorporation into any construction project. This program is administered by the Chemical Testing Branch, Office of Roadway Materials Testing. Organic Zinc Rich Primers must meet the Society for Protective Coatings (SSPC) Coating Specification No. 29, Zinc Pigmented Primer, Performance Based; before inclusion on the Caltrans AML.

Authorization of Organic Zinc Rich Primers requires the following:

1. For new products, the manufacturer will provide:
   
   A. Letter of intent specifying the type of product, applications, and contact information.
   B. Authorized Material List Submittal Form TL-9502. For more information, please follow the link: <https://dot.ca.gov/programs/engineering-services/product-evaluation-program>
   C. Manufacturers product data sheet.
   D. Safety Data Sheets.
   E. Evaluation report and test results from a third party independent testing laboratory.
   F. When directed to do so, send a quart sample of the material for our testing.

2. Performance and acceptance criteria:

   A. Categorized as having an organic (Type II) vehicle as described in 2.2 of SSPC Paint Standard No. 20.
   B. Meet the performance requirements in SSPC Coating Specification No. 29, section 8, Table 1, Level II, Summary of Corrosion Testing Requirements and Table 2, Summary of Adhesion Testing Requirements.
   C. Have a minimum(65 percent) zinc pigment by weight present in the dried film.
   D. Cathodic Protection Measurement Technique for Cured Primer is not a requirement.
3. Send submittal requirements to the Caltrans Transportation Laboratory to the Chemical Testing Branch.

California Department of Transportation Laboratory
Attn: Barry Marcks (Organic Zinc Rich Primers)
Chemical Testing Branch
5900 Folsom Boulevard
Sacramento, CA 95819

A. When the submittal package has been evaluated and reviewed, the Department will notify the manufacturer of the findings. When any discrepancies are resolved to the satisfaction of the Department, the material will be placed on the AML.

B. The authorization of organic zinc rich primer is valid for 5 years from the date it is placed on the AML.

C. The Department reserves the right to sample and to remove the product from the AML at any time.

4. Reauthorization:

A. Six months prior to a product's listed reauthorization date, manufacturers need to contact the Chemical Testing Branch.

B. Manufacturers shall submit a sample of the product and a letter confirming that the organic zinc rich primer formulation has not changed.

C. When confirmed that the organic zinc rich primer has not changed, still meets the Performance and Acceptance Criteria, the AML reauthorization date will be changed to the new date.

If you have questions about the, Organic Zinc Rich Primer, Authorization Requirements and Acceptance Criteria, please contact Barry Marcks at (916) 227-7918 or at <Barry.Marcks@dot.ca.gov>.