

ALABAMA DEPARTMENT OF TRANSPORTATION  
PROCEDURE FOR EVALUATION AND MAINTENANCE OF

LIST II-10

MEMBRANES FOR WATERPROOFING BRIDGE DECKS, JOINTS, AND  
CRACKS IN CONCRETE PAVEMENT

1. **Material:** Membranes for waterproofing joints and cracks in the pavement, before overlaying with asphalt and products for waterproofing concrete structures such as retaining walls.
2. **Specification:** Sub-Article 454.02(e) for sealing joints and cracks in concrete pavement, Item 515.01(b) 4., For waterproofing concrete structures.
3. **Jurisdiction:** Product Evaluation Board, Chemical Laboratory
4. **Job Acceptance Requirements:** No Job Control samples required if material works satisfactorily.
5. **Project Engineer's Responsibility:** Check and assure that the materials are on the approved list.
6. **Producer's Initial Requirements:**  
Companies wishing to have products evaluated for placement on this list should furnish the Department's Product Evaluation Engineer with the following:
  - 6.1 Name and address of the company producing the product
  - 6.2 A certified test report showing actual test results for all requirements in the specifications.
  - 6.3 A sample of one square meter of the material to be evaluated.
  - 6.4 A standard material safety data sheet for the product
  - 6.5 Submittal and testing fees according to Department procedure ALDOT-355.
7. **Producer's Maintenance Requirements:**  
Companies with products on this list will be expected to comply with the following to stay on the list:
  - 7.1 Produce the same quality of material as the material supplied for the original evaluation.
  - 7.2 Provide only approved products to Department projects.
  - 7.3 Promptly report to the Department any changes in company name, product name, company address or company ownership.
- 7.4 Notify the Department of any changes in production of the product. Any alteration that will change the product chemically or physically will require a reevaluation of the product.
8. **Laboratory Testing:** The Department may make selected verification tests of the product to insure compliance with the Department's Specifications.
9. **Field Testing:** Products meeting the requirements of Sub-Article 454.02(e) may be used in waterproofing structures (Item 515.01(b) 4.). If products are made to other specifications, but still serve as waterproofing materials, they will be required to undergo a field demonstration to prove their acceptability. The field evaluation will be conducted for a six month period. This test may be waived if the manufacturer has test data from other states showing the product's reliability.
10. **Contractors' Requirements:** The prime contractor will be responsible for purchasing and using only approved products.
11. **Removal of Products:** Products may be removed from this list for any of the following:
  - 11.1 Mislabeling products or substitution of products other than those originally submitted.
  - 11.2 Failure to meet the Department's requirements for this type of material.
  - 11.3 Failure to work satisfactorily on the job.
12. **Correspondence:** All correspondence concerning this list should be directed to the following:  
Product Evaluation Board  
Alabama Department of Transportation  
3704 Fairground Road  
Montgomery, AL 36110