

SPECIFICATIONS FOR THE USE OF LIQUID BOOT PRODUCT AS METHANE GAS PROTECTION BARRIER IN PROJECTS UNDER THE JURISDICTION OF THE COUNTY OF LOS ANGELES

At a minimum, all development projects where Liquid Boot application is proposed, shall be subject to the following installation and quality assurance/quality control conditions:

1. The chloroprene modified asphaltic emulsion and catalyst (Liquid Boot) shall be supplied in clearly marked containers bearing the brand name and product identification. Both components shall be supplied by the same source manufacturer.
2. Liquid Boot must be spray-applied onto geotextile to a minimum thickness of 100 dry mils in accordance with the manufacturer's specifications.
3. The membrane must completely encapsulate the foundation, footings, and exterior walls located below grade.
4. The membrane must be sprayed by a manufacturer-approved applicator/contractor. A written statement or a certificate issued by the manufacturer stating that the applicator is an approved applicator is required prior to use of the product.
5. The following field tests must be performed in accordance with the Liquid Boot Field Installation and Repair Procedure specified by the manufacturer:
 - a) Thickness Sample Test at every 500 square feet.
 - b) Smoke Test for each single-family dwelling.
6. All surfaces where the membrane is to be applied must be free of laitance, sharp projections, oil, dirt, or other contaminants. All such surfaces must be prepared in accordance with the manufacturer's instructions.
7. Prior to placing the concrete slab over the membrane, the membrane installer shall certify the membrane to be installed and tested in accordance with the manufacturer's specifications and to be free of leaks.
8. Under the concrete slab, the membrane must be overlaid with a minimum of two inches of clean sand or other similar protective material as approved by this office.
9. A copy of the inspection log for the project must be submitted with the as-built plans to the Los Angeles County Department of Public Works, Building and Safety and Environmental Programs Divisions, including signature by a manufacturer-approved inspector.
10. A note must be added to all plans indicating that the consulting engineer must supervise the barrier's installation. Additionally, in the as-built plans, the consulting engineer must indicate with proper wet-ink signature and stamp that Liquid Boot was installed under his/her supervision.
11. The manufacturer's specifications and quality assurance/quality control recommendations must be included as General Notes in all design/construction plans proposing Liquid Boot as a methane gas barrier.

The plans must be prepared and submitted in accordance with the requirements of the County of Los Angeles Department of Public Works, Environmental Programs Division.