

GEOVOLT® CONDUCTIVE COMPOSITE

Enable effective electric leak detection under almost any geomembrane with Geovolt®. Geovolt®, a uniquely manufactured conductive composite, combines a thin conductive film with a needle-punched nonwoven geotextile. The nonwoven laminate allows the material to double as a cushion layer, protecting your geomembrane from puncture.

Developed specifically to address several common challenges faced during the deployment of electric leak location methods, Layfield's Geovolt® allows leaks to be located in lined systems with precision and without requiring an additional conductive layer. If you can't afford a leak, you can count on Geovolt®.

| April 2023 | | GeoVolt®* | |
|---------------------|------------------|-----------|---|
| Property | ASTM | | |
| Material Properties | Weight | D5261 | 6 oz/yd ² 200 grams/m ² |
| | Tensile | D4632 | 120 lbs 533 N |
| | Elongation | D4632 | 50% |
| | Trapezoidal Tear | D4533 | 50 lbs 222 N |
| | CBR Puncture | D6241 | 310 lbs 1380 N |
| | AOS | D4751 | 70 sieves 212 microns |
| | Water Flow | D4491 | 7.5 gal/min.ft ² 305 min/m ² |

INSTALLATION

General Installation: Geovolt® is placed in a similar manner to installing a roll of nonwoven geotextile. Two important considerations are ensuring a positive 16" (450mm) overlap between rolls, and ensuring the material is electrically isolated from any conductive material on top of the liner.

For up-to-date technical information, be sure to visit us online at www.LayfieldGroup.com

GEOVOLT[®] CONDUCTIVE COMPOSITE

Do not allow vehicles to drive directly on the Geovolt[®]. Geovolt[®] should be stored such that it is protected from rain and direct sunlight. Please contact your local Layfield Representative for installation instructions for using Geovolt[®] in electrical leak detection applications.

Each roll has a special conductive edge that is designed to provide continuity between the adjacent Geovolt[®] panels. The side with the special edge faces the prepared subgrade. See figure 1.

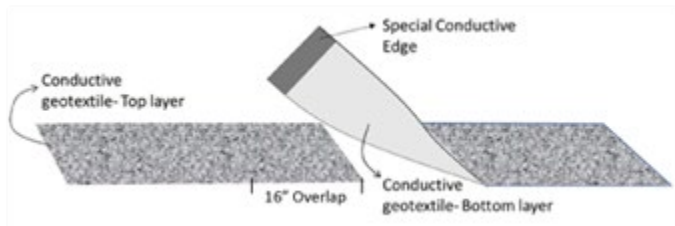


Figure 1. Schematic of overlap between panels

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