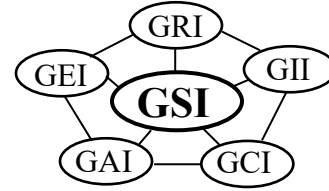


# ***Geosynthetic Institute***

475 Kedron Avenue  
Folsom, PA 19033-1208 USA  
TEL (610) 522-8440  
FAX (610) 522-8441



September 13, 2024

Mr. J.P. Kline, P.E.  
Laboratory Director  
Geotechnics Inc.  
544 Braddock Ave.  
East Pittsburgh, PA 15112

Re: GAI-LAP Accreditation REVISION

Dear Mr. Kline,

The Geosynthetic Institute (GSI) is pleased to acknowledge Geotechnics Inc. on its repertoire of Geosynthetic Accreditation Institute's-Laboratory Accreditation Program (GAI-LAP) accredited tests. This letter should serve as notification that Geotechnics Inc. located in East Pittsburgh, PA is currently accredited for the following fifty-five (55) test methods until June 30, 2025.

1. ASTM D374      Test Method for Thickness of Solid Electrical Insulation
2. ASTM D413      Test Methods for Rubber Property – Adhesion to Flexible Substrate
3. ASTM D751      Test Methods for Coated Fabrics (thickness), (grab) and/or (bonded seam strength)
4. ASTM D792      Test Method for Specific Gravity and Density of Plastics by Displacement
5. ASTM D882      Test Methods for Tensile Properties of Thin Plastic Sheeting (strip tensile)
6. ASTM D1004      Test Method for Initial Tear Resistance of Plastic Film and Sheeting
7. ASTM D1204      Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature
8. ASTM D1238      Test Method for Flow Rate of Thermoplastics by Extrusion Plastometer
9. ASTM D1505      Test Method for Density of Plastics by the Density-Gradient Technique
10. ASTM D1593      Specification for Nonrigid Vinyl Chloride Plastic Sheeting (thickness)
11. ASTM D1603      Test Method for Carbon Black in Olefin Plastics
12. ASTM D2256      Test Method for Tensile Properties of Yarn Single Strand

13. ASTM D3786 Test Method for Hydraulic Burst Strength of Knitted Goods and Nonwoven Fabrics (Diaphragm Bursting Strength Tester Method)
14. ASTM D4218 Test Method for Carbon Black Content in Polyethylene Compounds by the Muffle-Furnace Technique
15. ASTM D4491 Test Method for Water Permeability of Geotextiles
16. ASTM D4533 Test Method for Index Trapezoidal Tearing Strength of Geotextiles
17. ASTM D4595 Test Method for Wide Width Tensile of Geotextiles
18. ASTM D4632 Test Method for Grab Breaking Load and Elongation of Geotextiles
19. ASTM D4716 Test Method for Determining the (In-Plane) Flow Rate per Unit Width and Hydraulic Transmissivity of a Geosynthetic Using a Constant Head
20. ASTM D4751 Test Method for Determining Apparent Opening Size of a Geotextile
21. ASTM D4833 Test Method for Index Puncture Resistance of Geotextiles, Geomembranes and Related Products
22. ASTM D4884 Test Method for Seam Strength of Sewn Geotextiles
23. ASTM D4885 Test Method for Determining Performance Tensile Strength of Geomembranes Using Wide Strip Testing
24. ASTM D5035 Test Method for Breaking Strength and Elongation of Textiles (Strip Method)
25. ASTM D5199 Test Method for Measuring Nominal Thickness of Geotextiles and Geomembranes
26. ASTM D5261 Test Method for Measuring Mass per Unit Area of Geotextiles
27. ASTM D5321 Test Methods for Determining the Coefficient of Soil and Geosynthetic or Geosynthetic and Geosynthetic Friction by the Direct Shear Method
28. ASTM D5323 Determination of 2% Secant Modulus for Polyethylene Geomembranes
29. ASTM D5567 Test Method for Hydraulic Conductivity Ration Testing of Soil/Geotextile Systems
30. ASTM D5596 Test Methods for Microscopic Evaluation of the Dispersion of Carbon Black in Polyolefin Geosynthetics
31. ASTM D5884 Test Method for the Tearing Strength of Internally Reinforced Geomembranes
32. ASTM D5887 Test Method for Index Flux through Saturated GCLs
33. ASTM D5890 Standard Test Method for Swell Index of Clay Mineral Component of Geosynthetic Clay Liners
34. ASTM D5891 Standard Test Method for Fluid Loss of Clay Component of Geosynthetic Clay Liners
35. ASTM D5993 Test Method for Measuring Mass per Unit Area of GCL
36. ASTM D5994 Test Method for Measuring the Core Thickness of Textured Geomembranes
37. ASTM D6214 Test Method for Determining the Integrity of Field Seams Used in Joining Geomembranes by Chemical Fusion Methods
38. ASTM D6241 Test Method for the Static Puncture Strength of Geotextiles and Geotextile Related Products Using a 50-mm Probe
39. ASTM D6243 Test Method for Determine the Internal and Interface Shear Resistance of Geosynthetic Clay Liners by the Direct Shear Method

40. ASTM D6364 Test Method for Determining the Short-Term Compression Behavior of Geosynthetics
41. ASTM D6392 Standard Test Method for Determining the Integrity of Nonreinforced Geomembrane Seams Produced Using Thermo-Fusion Method
42. ASTM D6496 Test Method for Determining the Ave. Bonding Peel Strength between Top and Bottom Layers of Needle-Punched GCLs.
43. ASTM D6636 Test Method for Determining Ply Adhesion Strength of Reinforced Geomembranes
44. ASTM D6693 Test Method for Determining Tensile Properties of Nonreinforced Polyethylene and Nonreinforced Flex Polypropylene Geomembranes
45. ASTM D6766 Test Method for Evaluation of Hydraulic Properties of Geosynthetic Clay Liners Permeated with Potentially Incompatible Liquids
46. ASTM D6768 Test Method for Tensile Strength of Geosynthetic Clay Liners
47. ASTM D7003 Test Method for Strip Tensile Properties of Reinforced Geomembranes
48. ASTM D7004 Test Method for Grab Tensile Properties of Reinforced Geomembranes
49. ASTM D7005 Test Method for Determining the Bond Strength (Ply Adhesions) of Geocomposites
50. ASTM D7179 Test Method for Determining Geonet Breaking Force
51. ASTM D7408 Standard Practice for Non-resin PVC Geomembrane Seams
52. ASTM D7466 Asperity Measurement of Textured Geomembranes Using a Depth Gage
53. ASTM D7747 Test Method for determining Integrity of Seams Using Thermo-Fusion for Reinforced GM by Strip Tensile Method
54. ASTM D7749 Test Method for Determining Integrity of Seams Using Thermo-Fusion for Reinforced GM by the Grab Method
55. ASTM F904 Test Method for Comparison of Bond Strength or Ply Adhesion of Similar Laminates Made from Flexible Materials

A certificate to this affect has been enclosed, signed and sealed. Any questions regarding your accreditation should be directed to George Koerner at (610) 522-8440. Once again congratulations and thank you for participating in the GAI-LAP.

Best regards,



George R. Koerner, Ph.D., P.E. & CQA  
Director