

Accreditation #:
GAI-LAP-13-95
TEL: (610) 522-8440



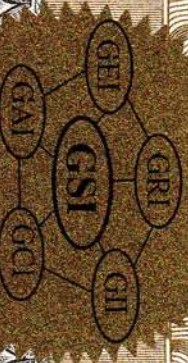
Geosynthetic Institute
475 Kedron, Ave,
Folsom, PA 19033

Precision Geosynthetic Labs International

*is granted accreditation
for designated geosynthetic test methods in accordance with the
Geosynthetic Accreditation Institute - Laboratory Accreditation Program
(GAI-LAP), as published in its annual directory.
This accreditation is valid until June 30, 2012.*

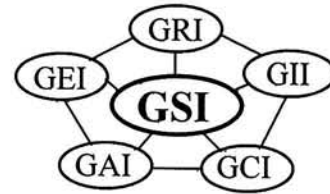
Robert M. Koerner, Ph.D., P.E.
Director

George R. Koerner, Ph.D., P.E. & COA
Auditor



Geosynthetic Institute

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



Ms. Cora B. Queja
Precision Geosynthetic Laboratories International
1160 North Gilbert Street
Anaheim, CA 92801

June 30, 2011

Re: GAI-LAP Accreditation

Dear Ms. Queja,

The Geosynthetic Institute (GSI) is pleased to acknowledge Precision Geosynthetic Laboratories International on its repertoire of Geosynthetic Accreditation Institute's-Laboratory Accreditation Program (GAI-LAP) accredited tests. This letter should serve as notification that Precision Geosynthetic Laboratories International located in Anaheim, CA is currently accredited for the following ninety seven test methods until June 30, 2012.

1. ASTM D374 Test Methods for Thickness of Solid Electrical Insulation
2. ASTM D413 Test Methods for Rubber Property — Adhesion to Flexible Substrate
3. ASTM D471 Test Methods for Rubber Property — Effect of Liquids
4. ASTM D570 Test Method for Water Absorption of Plastics
5. ASTM D638 Test Method for Tensile Properties of Plastics
6. ASTM D746 Brittleness Temperature of Plastics and Elastomers by Impact
7. ASTM D751 Test Methods for Coated Fabrics (thickness), (mass/unit area), (tongue tear), (grab), (hydrostatic resistance) and/or (bonded seam strength)
8. ASTM D792 Test Method for Specific Gravity (Relative Density) and Density of Plastics by Displacement
9. ASTM D882 Test Methods for Tensile Properties of Thin Plastic Sheeting (strip tensile)
10. ASTM D1004 Test Method for Initial Tear Resistance of Plastic Film and Sheeting
11. ASTM D1203 Volatile Loss from Plastics Using Activated Carbon Methods
12. ASTM D1204 Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature
13. ASTM D1238 Test Method for Flow Rates of Thermoplastics by Extrusion Plastometer
14. ASTM D1388 Test Method for Stiffness of Fabrics
15. ASTM D1505 Density of Plastics by the Density-Gradient Technique
16. ASTM D1593 Specification for Nonrigid Vinyl Chloride Plastic Sheeting (thickness)
17. ASTM D1603 Test Method for Carbon Black in Olefin Plastics
18. ASTM D1621 Test Method for Compressive Properties of Rigid Cellular Plastics
19. ASTM D1693 Test Method for Environmental Stress-Cracking of Ethylene Plastics
20. ASTM D1777 Test Method for Measuring Thickness of Textile Materials
21. ASTM D1790 Test Methods for Brittleness Temperature of Plastic Film by Impact

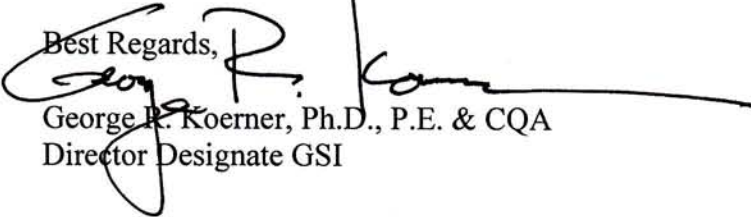
22. ASTM D 2136 Test Method for Coated Fabrics-Low Temperature Bend Test
23. ASTM D2240 Test Method for Measuring Durometer Hardness
24. ASTM D3015 Standard Practice for Microscopic Examination of Pigment Dispersion in Plastic Compounds
25. ASTM D3030 Test Method for Volatile Matter (including water) of Vinyl Chloride Resins
26. ASTM D3083 Standard Specification for Flexible Poly (Vinyl Chloride) Plastic Sheeting for Pond, Canal, and Reservoir Lining, (soil burial), (water extraction) and/or (bonded seam strength)
27. ASTM D3776 Test Method for Mass Per Unit Area (Weight) or Woven Fabric
28. ASTM D3786 Test Method for Hydraulic Burst Strength of Knitted Goods and Nonwoven Fabrics (Diaphragm Bursting Strength Tester Method)
29. ASTM D3895 Test Methods for Oxidative-Induction Time of Polyolefins by Differential Scanning Calorimetry
30. ASTM D4218 Test Method for Carbon Black Content in Polyethylene Compounds by the Muffle Furnace Technique
31. ASTM D4437 Standard of Practice for Determining the Integrity of Field Seams Used in Joining Flexible Polymeric Sheet Geomembranes, peel, shear
32. ASTM D4491 Test Methods for Water Permeability of Geotextiles by Permittivity
33. ASTM D4533 Test Method for Index Trapezoidal Tearing Strength of Geotextiles
34. ASTM D4545 Standard Practice for Determining the Integrity of Factory Seams used in Joining Manufactured Flexible Sheet Geomembranes, peel, shear
35. ASTM D4595 Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method
36. ASTM D4632 Test Method for Grab Breaking Load and Elongation of Geotextiles
37. ASTM D4716 Test Method for Determining the (In-Plane) Flow Rate per Unit Width and Hydraulic Transmissivity of a Geosynthetic Using a Constant Head
38. ASTM D4751 Test Method for Determining Apparent Opening Size of a Geotextile
39. ASTM D4833 Test Method for Index Puncture Resistance of Geotextiles, Geomembranes and Related Products
40. ASTM D4884 Test Method for Seam Strength of Sewn Geotextiles
41. ASTM D4885 Test Method for Determining Performance Tensile Strength of Geomembranes Using Wide Strip Testing
42. ASTM D5035 Test Method for Breaking Strength and Elongation of Textile Fabrics (Strip Method)
43. ASTM D5141 Test Method to Determine Filtering Efficiency and Flow Rate of a Geotextile for Silt Fence Application Using Site Specific Soil
44. ASTM D5199 Test Method for Measuring Nominal Thickness of Geotextiles and Geomembranes
45. ASTM D5261 Test Method for Measuring Mass per Unit Area of Geotextiles
46. ASTM D5321 Test Methods for Determining the Coefficient of Soil and Geosynthetic or Geosynthetic and Geosynthetic Friction by the Direct Shear Method,
47. ASTM D5322 Standard Practice for Immersion Procedures for Evaluating the Chemical Resistance of Geosynthetics to Liquids
48. ASTM D5323 Determination of 2% Secant Modulus for Polyethylene Geomembranes

49. ASTM D5494 Test Method for Determination of Pyramidal Puncture Resistance of Unprotected and Protected Geomembranes
50. ASTM D5596 Test Methods for Microscopic Evaluation of the Dispersion of Carbon Black in Polyolefin Geosynthetics
51. ASTM D5721 Standard Practice for Air-Oven Aging of Polyolefin Geomembranes
52. ASTM D5747 Standard Practice for Tests to Evaluate the Chemical Resistance of Geosynthetics to Liquids
53. ASTM D5884 Test Method for the Tearing Strength of Internally Reinforced Geomembranes
54. ASTM D5885 Standard Test Method for Oxidative Induction Time of Polyolefin Geosynthetics by High-Pressure Differential Scanning Calorimetry
55. ASTM D5887 Standard Test Method for Measurement of Index Flux Through Saturated Geosynthetic Clay Liners Specimens Using a Flexible Wall Permeameter
56. ASTM D5890 Standard Test Method for Swell Index of Clay Mineral Component of Geosynthetic Clay Liners
57. ASTM D5891 Standard Test Method for Fluid Loss of Clay Component of Geosynthetic Clay Liners
58. ASTM D5970 Standard Practice for Deterioration of Geotextiles from Outdoor Exposure
59. ASTM D5993 Test Method for Measuring the Mass Per Unit Area of GCL
60. ASTM D5994 Test Method for Measuring the Core Thickness of Textured Geomembranes
61. ASTM D6140 Test Method for Determine of Asphalt Retention of Paving Fabrics Used in Asphalt Paving for Full Width Applications
62. ASTM D6214 Test Method for Determining the Integrity of Field Seams Used in Joining Geomembranes by Chemical Fusion Methods
63. ASTM D6241 Test Method for the Static Puncture Strength of Geotextiles and Geotextile Related Products Using a 50-mm Probe
64. ASTM D6243 Test Method for Determine the Internal and Interface Shear Resistance of Geosynthetic Clay Liners by the Direct Shear Method
65. ASTM D6364 Test Method for Determining the Short-Term Compression Behavior of Geosynthetics
66. ASTM D6392 Standard Test Method for Determining the Integrity of Nonreinforced Geomembrane Seams Produced Using Thermo-Fusion Methods
67. ASTM D6454 Standard Test Method for Determining the Short-Term Compression Behavior of Turf Reinforcement Mats (TRMs)
68. ASTM D6475 Test Method for Measuring Mass Per Unit Area of Erosion Control Blankets
69. ASTM D6496 Test Method for Determining the Average Bonding Peel Strength Between Top and Bottom Layers of Needle-Punched Geosynthetic Clay Liners
70. ASTM D6524 Test Method for Measuring Resiliency of Turf Reinforcement Mats (TRMs)
71. ASTM D6525 Test Method for Measuring Nominal Thickness of Permanent Erosion Control Products
72. ASTM D6566 Test Method for Measuring Mass per Unit Area of Turf Reinforcement Mats (TRMs)

73. ASTM D6567 Test Method for Measuring Light Penetration of Turf Reinforcement Mat (TRM)
74. ASTM D6575 Test Method for Determining Stiffness of Geosynthetics used as Turf Reinforcement Mats
75. ASTM D6636 Test Method for Determination of Ply adhesion Strength of Reinforced Geomembranes
76. ASTM D6637 Test Method for Determining Tensile Properties of Geogrids by the Single or Multi-Rib Tensile Method
77. ASTM D6693 Test Method for Determining Tensile Properties of Nonreinforced Polyethylene and Nonreinforced Flexible Polypropylene Geomembranes
78. ASTM D6786 Test Method for Tensile Strength of Geosynthetic Clay Liners
79. ASTM D6818 Test Method for Ultimate Tensile Properties of Turf Reinforcement Mats (TRMs)
80. ASTM D7003 Test Method for Strip Tensile Properties of Reinforced Geomembranes
81. ASTM D7004 Test Method for Grab Tensile Properties of Reinforced Geomembranes
82. ASTM D7005 Test Method for Determining the Bond Strength (Ply Adhesion) of Geocomposites
83. ASTM D7466 Test Method for Measuring the Asperity Height of Textured Geomembranes
84. ASTM E96 Test Method for Water Vapor Transmission of Materials
85. ASTM F904 Test Method for Comparison of Bond Strength or Ply Adhesion of Similar Laminates Made from Flexible Materials, [15.09]
86. FTM STD. No. 101c (method 2065-82), Puncture Resistance and Elongation Test (1/8 in. radius probe)
87. GRI GG-1 Geogrid Rib Tensile Strength
88. GRI GG-2 Geogrid Junction Strength
89. GRI GC-7 Determination of Adhesion and Bond Strength of Geocomposites
90. ISO 00034 Determination of Tear Strength (Angle)
91. ISO 00527 Tensile Test of plastic
92. ISO 09863 Determination of Thickness at Specified Pressure
93. ISO 09864 Determination of Mass Per Unit Area
94. ISO 10321 Tensile Test for Joints/Seams by Wide Width Method
95. ISO 11058 Determination of water permeability characteristics normal to the plane, without load
96. ISO 12236 Determination of Static CBR Puncture Test
97. ISO 12958 Determination of Water Flow Capacity in their Plane

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

Best Regards,


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