Laboratory Accreditation Programmes

Schedule to

CERTIFICATE OF ACCREDITATION

GeoCert Geosynthetics Testing Australasia **Client Number 9371**

P O Box 470, Thames, 3540
Unit 2/ 366 Ngati Maru Highway, Thames, 3578

Telephone 07 868-9909

Authorised Representative
Mr Joel Sorensen
Laboratory Manager

Programme
Mechanical Testing Laboratory

Accreditation Number 1307 **Initial Accreditation Date** 20 August 2018

Conformance Standard
ISO/IEC 17025:2017
General requirements for the competence of testing and calibration laboratories

Laboratory Services Summary

4.62	Textiles

Approved Signatories

Mrs Meredith Ashby	4.62
Mr Joel Sorensen	4.62

IANZ; Level 1, 626 Great South Road, Ellerslie, Auckland 1051
Private Bag 28908, Remuera, Auckland 1541
Tel 09-525 6655 info@ianz.govt.nz ***ianz.govt.nz***

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4.62 Textiles

Geosynthetic Materials

Tests on Geosynthetic Materials in accordance with the following methods as specified in AS 3706.1 – Geotextiles-Methods of test, Method 1: General requirements, sampling, conditioning, basic physical properties and statistical analysis and / or TNZ F/7: 2003 – Specification for Geotextiles.

a) Tension and dimensional tests

Tests in accordance with the following Australian Standards

AS 2001.1	Methods of test for textiles Part 1: Conditioning procedures
AS 2001.2.3.1	Determination of maximum force and elongation using the strip method
AS 2001.2.3.2	Determination of maximum force using the grab method
AS 2001.2.13	Determination of mass per unit area and mass per unit length of fabrics
AS 2001.2.15	Determination of thickness of textile fabrics

b) Tear tests

AS 3706.3	Determination of tearing strength - Trapezoidal method
AS 3706.4	Determination of burst strength - California bearing ratio (CBR) – Plunger method
AS 3706.5	Determination of puncture resistance - Drop cone method

e) Other tests

AS 3706.11	Determination of durability – Resistance to degradation by light, heat and moisture

Tests in accordance with the following ASTM methods

a) Tension and dimensional tests

D4632/D4632M-15a	Grab Breaking Load and Elongation of Geotextiles
D5035-11	Breaking Force and elongation of Textile Fabrics (Strip Method)
D5261-10	Measuring Mass per Unit Area of Geotextiles

b) Tear tests

D4533/D4533M-15	Trapezoid Tearing Strength of Geotextiles
D6241-14	Static Puncture Strength of Geotextiles and Geotextile Related Products using a 50mm Probe

e) Other tests

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D4355/D4355M	Deterioration of Geotextiles by exposure to light, moisture and heat in a Xenon-Arc type apparatus
G151	Standard Practice for exposing Non metallic Materials in Accelerated Test Devices that Use Laboratory Light Sources
G155	Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non Metallic Materials

Test on geosynthetic samples exposed and retrieved, to evaluate installation damage, in accordance with ASTM D 5818

ASTM D6337/D6337M	Tensile properties of geogrids by single or multi rib tensile method

Tests on Seamless tubular knitted filter fabric in accordance with the RMS test methods as specified in the RMS specification D&C 3553 for Seamless tubular knitted filter fabric

a) Tension and dimensional tests

Tests in accordance with the following New South Wales Transport Roads & Maritime Services test methods

T1520	Determination of yield
T1523	Weave stability
T1524	Determination of opening size

e) Other tests

T1404	Ultra violet dry exposure
T1521	Laddering, unravelling or deweaving from a cut end
T1522	Abrasion resistance

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