



**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

**Key Technical Personnel**

Mrs Meredith Ashby	4.62
Mr Joel Sorensen	4.62

Operations Manager Authorisation:		Issue 6	Date:05/06/24	Page 1 of 3
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GeoCert Geosynthetics Testing Australasia  
 Mechanical Testing Laboratory  
**SCOPE OF ACCREDITATION**

Accreditation Number 1307

**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.**

**Tests in accordance with the following Australian Standards**

**(a) Tension and dimensional tests**

- 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

**(f) Other tests**

- AS 3706.7 Determination of pore-size distribution – Dry-sieving method
- AS 3706.9 Determination of permittivity, permeability and flow rate
- 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

Operations Manager Authorisation:		Issue 6	Date:05/06/24	Page 2 of 3
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**(f) Other tests**

- D4355/D4355M Deterioration of Geotextiles by exposure to light, moisture and heat in a Xenon-Arc type apparatus
- D6638-18 (modified) Standard Test Method for Determining Connection Strength between Geosynthetic Reinforcement and Segmental Concrete Units (Modular Concrete Blocks)
- 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 D6637/D6637M Tensile properties of geogrids by single or multi rib tensile method

**Tests in accordance with the following Austroads Test Methods**

**(f) Other tests**

- ATM 821 Laddering, Unravelling or Deweaving of a Seamless Knitted Tubular Filter Fabric from a Cut End
- ATM 822 Abrasion Resistance of Seamless Knitted Tubular Filter Fabric
- ATM 823 Weave Stability of Seamless Knitted Tubular Filter Fabric
- ATM 824 Determination of Opening Size of Seamless Knitted Tubular Filter Fabric

**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

**(f) Other tests**

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

Operations Manager Authorisation:		Issue 6	Date:05/06/24	Page 3 of 3
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