

SERVICES

Provider of Testing and Evaluation of Polymers and Materials for Military Applications

Testing of polymers, materials and coatings under extreme environmental conditions:

- UV
- Heat
- Chemical Exposure
- High Humidity
- Salt Spray

Investigative failure analysis of components over entire life cycle:

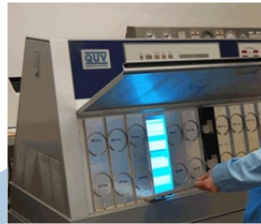
- Understanding material properties and limitations
- Failure mechanisms and modes – environmental stress cracking

Other various test methods:

- Flammability
- Adhesion
- Material Strength
- Hardness
- Material Property Analysis
- Fractography
- Antioxidant content

CAPABILITIES

- 15 Qualified lab personnel
- 5 x UVA and UVB capable weathering instruments
- 22 x Heat aging ovens
- 2 x High humidity test chambers
- X-Ray Diffractometer
- 2 x Corrosion resistance salt spray units
- Short to long term chemical exposure monitoring and testing
- 8 x Universal Testing Machines
 - Tensile, impact, flex, puncture, tear, compression, stiffness, friction
- 5 x Differential Scanning Calorimeters (DSC)
 - OIT, S-OIT, HP-OIT, melting point, glass transition, TGA



- Testing capability brochures:

KEY CUSTOMERS



Future Submarine Program



Personalized Protective Biosystem Program



Joint Strike Fighter F35A



Special Recon Pack



Legal Consulting



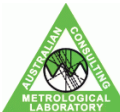
Failure Analysis and Investigation

KEY PARTNERS



UNSW SYDNEY

intertek
Total Quality Assured



QUALITY STANDARDS AND OTHER ACCREDITATIONS



NATA Accreditation #17149 – Certified by NATA



ISO 17025
ISO 9001:2015
ISO 27001

CONTACT/ADDRESS DETAILS

ExcelPlas Pty Ltd

Office: 274-276 Wickham Road

Highett VIC 3190 Australia

P: +61 (0) 3 9532 2207 | E: info@excelplas.com | W: www.excelplas.com

Postal: PO Box 147

Moorabbin VIC 3189 Australia



[illegible]