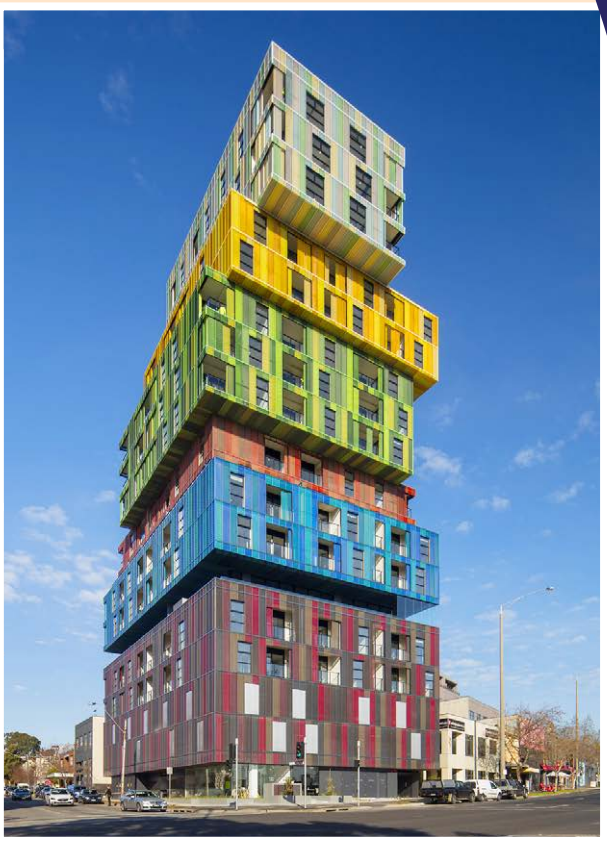
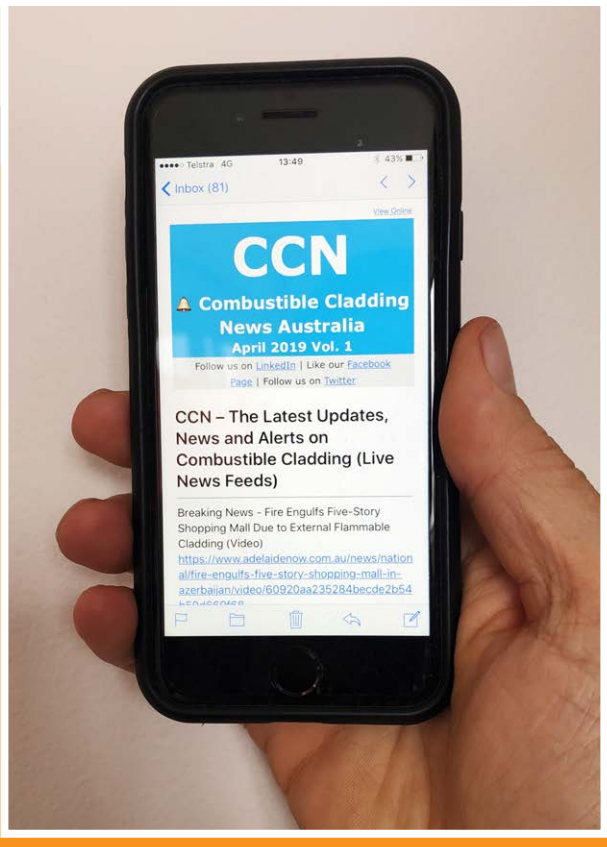
ExcelPlas
MATERIALS TESTING

NATA
ACCREDITED FOR
TECHNICAL
COMPETENCE

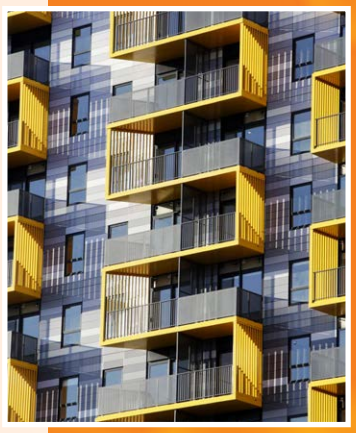
TESTING OF BUILDING MATERIALS





We Know Polymers - We Know Testing

ExcelPlas conducts testing, inspection and certification (TIC) of a range of building materials. We offers our clients comprehensive expert testing services including building material testing, electrical and electronics testing, fire safety testing and product failure analysis.



Typical Products Tested:

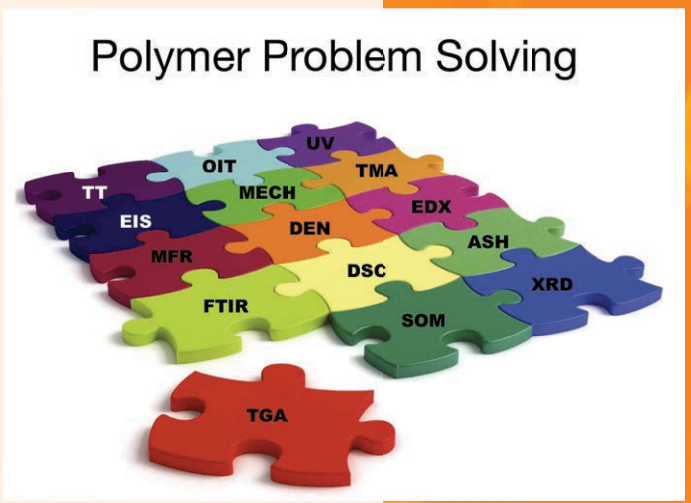
- Testing of Combustible Cladding
- Fire Testing of ACM
- Plastic Pipes
- Plastic Pipes for Drinking Water
- Plastic pipes for Hot Water
- Plastic pipes for Chilled Water
- Plastic pipes for Waste water in Hospitals
- Thermal Insulation Products
- Sealants and Grouting
- Carpet tiles and Adhesives for VOC Outgassing
- Vinyl Files for Abrasion and Stain Resistance
- Building Glass Windows and Low-e Coatings
- Safety Glass and Toughened Glass
- Laminated Glass and Annealed Glass
- Aluminium Building Panels with PVDF

We also offer in factory inspections and sampling during manufacture of production runs as well as third-party inspection of manufacturing quality control and quality assurance testing.

ExcelPlas provides testing, analysis and inspection services for compliance with standards and certification of plumbing products.

The testing is performed in accordance with relevant Australian and international standards.

Typical plumbing products that are tested are pipe fittings, couplers, pipes and drainage products.



25+
Years in Operation

15+
Qualified Staff

500+
Return Customers

1000+
Failure Analyses

8000+
Laboratory Jobs

Examples of Products Tested:

Plumbing fittings
Valves
PE, PP-R, PEX,PB and multilayer pipes
Floor drains

General Testing

ExcelPlas can perform the following Polymer, Rubber and Coatings Characterization:

- Melting Point (mp)
- Melting Temperature (Tm)
- Crystallisation Temperature (Tc)
- Glass Transition Temperature (Tg)
- Degree of Crystallinity (%Cryst)
- Softening Temperature (Ts)
- Heat Distortion Temperature (HDT)
- Degree of Curing (DoC)
- Degree of Crosslinking (DoC)
- Oxidative Stability (OIT)
- Isothermal Crystallisation (IC)
- Specific Heat (Heat Capacity)
- Kinetic Studies
- Moisture/Volatiles Content
- Decomposition Temperature
- Decomposition Analysis (TGA)
- Expansion/Contraction Behaviour
- Material Strength/Modulus
- Compositional Analysis (CA)
- Melt Flow Rate (MFR)
- Melt Viscosity (MV)
- Molecular Weight (MW) Determination
- Flow Viscosity

Expert Services

Dr. John Scheirs and other ExcelPlas experts are often engaged by major plumbing manufacturers and construction companies to investigate the operational performance of a building plumbing system in relation to material or equipment failures. Dr. Scheirs is also sought out to act as an expert witness in material failure lawsuits, where he is supported by his team of polymer scientists and materials experts.

The research and findings of Dr. Scheirs on areas such as the degradation of PP-R and PB pipes is now being recognised worldwide and he continues to educate and inform members of the plumbing and hydraulics industry on the current issues facing the plumbing industry with respect to the failure and durability of plastic plumbing pipes and fittings. The digital marketing tool PPN – Poly Pipe News developed by ExcelPlas is sent to a broad section of the plastic pipe and fitting industry globally. While the eNewsletter CCN – Combustible Cladding News is sent weekly to the cladding industry.

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We provide detailed interpretation of test results and help translate these results into effective and meaningful solutions for our clients.
Our clients use our services for a variety of reasons, including competitive product characterization, identification of batch to batch variations, product improvement independent QA, comparison of "good" vs. "bad" samples and intellectual property legal cases.
Founder Dr. John Scheirs is a Polymer Chemist and the Principal Consultant at ExcelPlas. For over 25 years John has worked with many companies on failure analysis and root cause analysis investigations, as well as providing material science consulting on plastic and polymers ranging from geosynthetics such as geomembranes and geotextiles and pipes to coatings. He is also the author of a leading reference book Compositional and Failure Analysis of Polymers, which teaches how to investigate and analyze polymer products to improve performance, reliability, and cost effectiveness.

Digital Marketing Platforms

ExcelPlas reaches and informs its extensive customer base frequently using its proprietary Digital Marketing Platforms that include:
GNA – Geosynthetics News Alerts
PPN – Poly Pipes News
CCN – Combustible Cladding News
PCN – Protective Coatings News
CNA – Cable News Australia
SAN – Sealants & Adhesives News
MNA – Masterbatch News Alerts
RNA – Rubber News Australia
TNA – Tailings News Australia
PFN – Product Failure News

ExcelPlas leads the way with digital communication with news blasts and news feeds in the industries and sectors in which it operates. eNewsletters and eAlerts are sent to its key customers weekly to be 'front of mind' for testing and analysis needs.

PRODUCT TESTING WEBSITES
http://www.excelplas.com/
http://www.polymertesting.com.au/
http://www.polypipetesting.com.au/
http://www.uvtesting.com.au/
https://www.claddingtest.com/
https://www.minidredgers.com.au/

DIGITAL MARKETING WEBSITES
https://www.geosyntheticnews.com.au/
https://www.polypipenews.com.au/
https://www.claddingtest.com/news/
https://www.cablenewsaustralia.com.au/
https://www.tailingsnews.com.au/
http://www.masterbatchnews.com.au/

contact: www.excelplas.com

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