# Position Details

## Research Projects- CSOF3

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| The following information is for applicants | |
| Advertised Job Title | Technical Officer – Materials Performance Testing |
| Job Reference | 92922 |
| Tenure | Specified term of 2 years  Full-time |
| Salary Range | AU$ $68,148- AU$ 86,733 per annum (pro-rata for part-time)  plus up to 15.4% superannuation |
| Location(s) | Clayton |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | * Australian/New Zealand Citizens and Australian Permanent Residents |
| Position reports to the | Team Leader – Materials Performance |
| Client Focus – Internal | 10% |
| Client Focus – External | 90% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Money Arora via email at money.arora@csiro.au or phone +61 3 9545 8774 |
| How to apply | Apply online at <https://jobs.csiro.au/>  Internal applicants please apply via **Jobs Central**  If you experience difficulties when applying, please email [careers.online@csiro.au](mailto:careers.online@csiro.au) or call 1300 984 220. |

**Acknowledgement of Country**

CSIRO acknowledges the Traditional Owners of the land, sea and waters, of the areas that we live and work on across Australia. We acknowledge their continuing connection to their culture and pay our respects to their Elders past and present. View our [vision towards reconciliation](https://www.csiro.au/en/about/Indigenous-engagement/Reconciliation-Action-Plan).

**Child Safety**

CSIRO is committed to the safety and wellbeing of all children and young people involved in our activities and programs. View our [Child Safe Policy](https://www.csiro.au/en/about/policies/child-safe-policy).

### Role Overview

CSIRO’s Infrastructure Technologies have been providing testing, research and consulting services to the building and infrastructure sector for over 75 years. In our NATA accredited lab, we run a broad range of fire, safety, acoustic, vibration and materials tests. We have specialized purpose-built testing equipment and facilities to provide accurate and timely test results to enable the delivery of our client’s innovation and projects.

We provide testing of building systems in accordance with the framework outlined within the National Construction Code (BCA), and to the rail, transport, marine and infrastructure sector.

The role requires a technical officer to work within the Materials Performance team within Infrastructure Technologies, located at the Clayton, VIC, site and requires a combination of laboratory testing, office-based assessments and some site audits.

The team works in the area of paint and coating, insulation, pedestrian surfaces, waterproofing membranes, structural materials to a range of Australian and International standards.

The team forms part of a group which carries out assessment of a wide range of systems including, acoustic materials, fire safety systems and flammability of materials. There is opportunity to work in these areas and collaborate with CSIRO extensive research staff network and facilities.

This role involves work with paints, chemicals, materials and equipment within a strong culture of safety. The successful applicant will be required to undertake duties in the laboratory and industrial environment, ensuring operation in accordance with relevant regulatory and CSIRO HSE policies.

### Duties and Key Result Areas

With appropriate supervision:

* Prepare and test construction material samples in the physical laboratory
* Perform testing, data analysis and technical reporting in accordance with Australian and International test standards.
* Perform equipment calibration and basic maintenance
* Ensure compliance with relevant safety, health, and environmental requirements
* Ensure testing is performed in accordance with industry standards
* Ensure accuracy of test results and timely output of work
* Assist in the drafting, review and issuing test reports.
* Develop skills to set up, perform and process a variety of cladding, materials, paint, waterproofing membrane, tensile, compression and thermal tests and measurements.
* Organise the laboratory equipment and records to ensure efficient and quality completion of client projects.
* Implement the Laboratory and Quality system, including calibrations, to maintain NATA accreditation.
* Develop professional working relationships with team members and key customers (internal and external). Communicate openly, effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Adhere to the spirit and practice of CSIRO’s Code of Conduct, Health, Safety and Environment plans and policies, Diversity initiatives and Zero Harm goals.
* Other duties as directed.

## **Selection Criteria**

#### Essential

*Under CSIRO policy only those who meet all essential criteria can be appointed.*

1. Testing experience in a NATA accredited testing laboratory related to building products and systems or the successful completion of tertiary qualifications in relevant Engineering or Science fields related to the performance of materials.
2. Experience in the use of a variety of test methods used in aspects of tensile, paint, coating and waterproofing membrane evaluation and an appreciation of their limitations.
3. Well-developed communication, presentation and report writing skills combined with the ability to resolve problems in consultation with the team and customers.
4. Demonstrated ability to take responsibility and show initiative while working in a commercial environment with income targets.
5. Good communication skills and experience with the writing of detailed technical reports.
6. Knowledge of HSE requirements pertaining to a laboratory environment.

## **Desirable**

1. Experience in laboratory and field investigations and/or laboratory equipment or other relevant experience relating to the performance of building systems i.e. instrons.
2. Knowledge of construction materials and systems, tensile testing, related technologies, test and manufacturing methods including Australian and International testing standards.
3. Ability to communicate to all levels of the building industry and infrastructure sector as well as the ability to interpret technical testing and design standards.
4. Experience in use of data acquisition equipment and LIMS systems.
5. Knowledge of the AS 1580 series, AS / NZS 2009, AS/NZS 4859.1, AS 4858 and AS 4654.
6. Knowledge of AS ISO 17025 and quality systems.
7. Experience with project management tools and methodologies.

## **Required Competencies**

* **Teamwork and Collaboration:** Proactively seeks and considers the ideas and opinions of others from within and outside the team to help form decisions, plans or actions.
* **Influence and Communication:** Puts forward ideas by presenting factual information supported by data, definitions, examples, illustrations or other aids, which will assist in conveying meaning.
* **Resource Management/Leadership:** Provides instruction and assists other staff to complete allocated tasks and activities.
* **Judgement and Problem Solving:** Identifies and considers the implications of a range of available alternatives in order to select the most appropriate response to problems of a familiar or recurring nature.
* **Independence:** Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).
* **Adaptability:**Willingness to change ideas or perceptions based on new information, contrary evidence or other people's points of view. Prepared to try out different approaches.

Special Requirements

Appointment to this role may be subject to conditions including provision of a national police check as well as other security/medical/character clearance requirements.

* The successful candidate will be asked to obtain and provide evidence of a National Police Check or equivalent. Please note that people with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.

## **About CSIRO**

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](http://www.csiro.au/) for more information.

CSIRO is a values-based organisation.  In your application and at interview you will need to demonstrate behaviours aligned to our values of:

* People First
* Further Together
* Making it Real
* Trusted