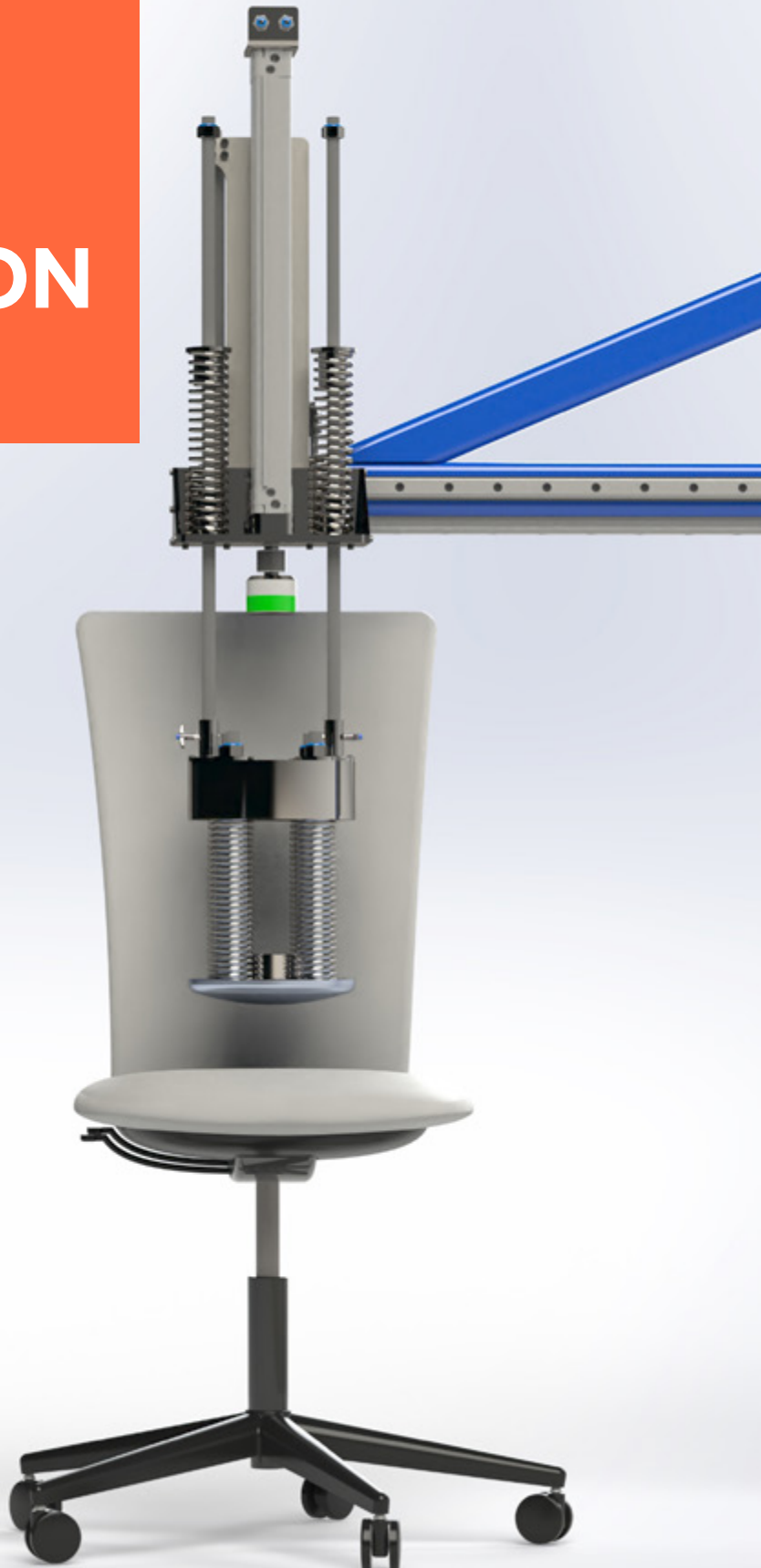


www.furntech.org.au

AFRDI FURNITURE CERTIFICATION GUIDE

Creating safer,
more productive
and sustainable
environments



Australasian Furnishing Research and Development Institute (AFRDI).

AFRDI are market leaders in furniture testing, certification and research for the Australasia region. AFRDI have developed this guide to raise awareness of what types of tests and certifications that should be specified and obtained for a given product category. This will enable you to specify comprehensive requirements to satisfy the expectations of furniture safety, durability, productivity and sustainability.

Through AFRDI's testing and certifications schemes, you can find assurance that the products which are being proposed have passed our stringent requirements. Look for genuine AFRDI logos and certificates when assessing prospective tenders or purchasing furniture products.

2021 Edition

DISCLAIMER

The Guide is provided for information purposes. It is the user's responsibility to evaluate and independently determine whether the Guide and Standards are appropriate for a particular product.

No express or implied warranties of any type, including for example implied warranties of merchantability or fitness for a particular purpose are made with respect to the information or any use of the information in this Guide.

All illustrations contained within are artist's impressions. Any resemblance to actual furniture is coincidental.

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ABOUT AFRDI

For over 30 years, the **Australasian Furnishing Research and Development Institute (AFRDI)** has been at the forefront of furniture testing and certification in Australasia.

Throughout this time, its services have been used extensively by a wide variety of clients including corporate Australia, leading companies, Federal and State government departments and private individuals. In addition, Standards Australia has called on our services for the writing and development of furniture standards, many of which have been adopted as formal standards in Australia and New Zealand.

AFRDI is an independent not-for-profit technical organisation, offering a wide range of internationally recognised testing and certification solutions for commercial and domestic furniture. Our team of experts provides valued technical advice to our members and clients, improving the quality, safety and sustainability of products sold in Australia, New Zealand and beyond.



Photo: Pat Whelen/Unsplash



AFRDI is accredited by the National Association of Testing Authorities (NATA) as a public testing organisation and compliant with the international standard ISO/IEC 17025.

It is important to ensure you only accept test results from independently accredited third party laboratories.



The Green Building Council of Australia (GBCA) is a not-for-profit industry association that promotes sustainability in the built environment. The GBCA is best known for developing the Green Star rating system for buildings and communities.

AFRDI's Sustainability Standard, AFRDI 150 is a **GBCA recognised** product certification scheme and standard, and contributes to **Green Star credits**.



AFRDI MEMBERSHIP

For testing discounts, up-to-date furniture industry compliance information and technical advice, you are encouraged to join AFRDI as a member.


Further details can be found [here](#).

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THE IMPORTANCE OF SPECIFICATION

We operate in a dynamic business environment, with standards and certifications continuing to evolve to ensure they meet the challenges presented to businesses and consumers today.

The 2021 Edition of the AFRDI Furniture Certification Guide has been designed to provide important information to Specifiers, Designers, Facility Managers, Procurement Departments, Architects, Government and Consumers. The aim is to enable them to make informed decisions when sourcing products for the contract, commercial, education, home office or home environment.



There are numerous standards, test reports and certification schemes in the marketplace, all of which can be highly technical and confusing in nature. Understanding what you need to specify, and then assessing the quality and comprehensiveness of any documentation you receive can be a challenging task.

When assembling a specification you are responsible for ensuring the product requirements adequately reduce the risks presented by the products to the end users, your clients, your business and your family. As will be demonstrated next in this guide, insufficient testing and certification can lead to lasting injuries to end users and significant financial liabilities to business and/or specifiers.



CURRENT ENVIRONMENT

In today's fast-paced global marketplace, more products are available to specifiers and consumers than ever before, but this has created an enormous challenge since both specifiers and manufacturers are responsible in ensuring these products are fit-for-purpose.

Today's end-users treat products more severely, while simultaneously expecting they will be safe to use and have been sourced sustainably.

The potential costs for specifiers and their client if they get it wrong are high, and businesses face increasing public liability and workers compensation insurance premiums, expensive litigation and reputational damage.

Having products which are correctly specified for the expected end-use is important. Often domestic furniture has not been sufficiently tested to survive the rigours of commercial use.

Therefore you need to ask yourself – are your specifications robust enough and is your due diligence sufficient? This guide can assist you and AFRDI is here to help.

To access the latest furniture recalls visit the ACCC Product Safety website www.productsafety.gov.au/recalls

Below are some examples of incidents and court cases:

Date	Product	Description
October 2002	Height Adjustable Office Chair	Star base collapsed under user, causing injury and resulting in >\$1M in damages ¹ .
June 2013	Fixed Height Chair	Chair collapsed under user, causing injury and resulting in >\$200K in damages ² .
January 2014	Plastic Monobloc Chair	Chair collapsed under customer, causing injury and resulting in >\$300K in damages ³ .
October 2014	Fixed Height Swivel Chair	Chair collapsed under club patron, causing injury and resulting in damages awarded to the user ⁴ .
April 2015	Fixed Height Chair	Chair collapsed under user, causing injury and resulting in \$70K in damages ⁵ .
January 2020 - USA	Dressing chest	Clothes drawer tipped on child, causing death and resulting in \$66M in damages ⁶ .

1. <http://www.abc.net.au/news/2013-08-31/canberra-woman-awarded-compensation-for-injury-caused-by-broken/4926622>

2. <http://www.abc.net.au/news/2016-03-30/department-sues-council-over-ikea-chair-collapse/7285176>

3. <https://www.caselaw.nsw.gov.au/decision/57db3cd4e4b058596cb9f960>

4. <https://www.gerardmaloufpartners.com.au/Publication-2153-Compensation-for-registered-club-member-injured-as-a-result-of-a-collapsing-chair-in-the-gaming-area.aspx>

5. <https://www.gerardmaloufpartners.com.au/Publication-2008-Compensation-case-for-injury-from-faulty-chair-in-Liverpool-food-court-leaving-minor-injuries-resolved-amicably-just-before-Court.aspx>

6. [https://www.abc.net.au/news/2020-01-08/ikea-to-pay-\\$66-million-family-2-yo-boy-killed-tip-over/11850246](https://www.abc.net.au/news/2020-01-08/ikea-to-pay-$66-million-family-2-yo-boy-killed-tip-over/11850246)

CERTIFICATION SCHEMES

As Australasia's leading furniture certification body, AFRDI operates a number of certification schemes which certify different aspects of a product. As a specifier or customer, you may be offered products which feature different registered logos, so it is important to understand what they signify.



AFRDI BLUE TICK

The **AFRDI Blue Tick** signifies that the product has withstood rigorous strength, durability, safety and stability requirements as a minimum (and sometimes includes ergonomics and ignitability requirements) and is a mark of an excellent quality product.

AFRDI also offer suppliers a chair component certification scheme to the **AFRDI Blue Tick** requirements, to provide pre-qualification of regularly used components, enabling products to be brought to market more rapidly. When assessing submitted tenders it is important to ensure that you receive **AFRDI Blue Tick** certification for the finished product – component certification or component test reports alone are not sufficient.



AFRDI BLUE TICK RATED LOAD

Most commercial seating standards look to accommodate expected use by people up to 100-110kg, many people are now significantly heavier.

AFRDI have sought to resolve this issue with our **AFRDI Blue Tick Rated Load** certification which takes the top level of our **AFRDI Blue Tick** scheme for chairs (Level 6), and adjusts it to be suitable for much heavier users (e.g. 135kg, 160kg, and 185kg) and for bunks to 135kg. AFRDI also has a Standard for bariatric chairs for people up to 300kg.

As a specifier/user, if you expect a proportion of your end-users will be more than 110kg then it is recommended to specify the **AFRDI Blue Tick Rated Load** standard for chairs and bunks, to ensure the furniture is sufficiently strong to support them properly.



AFRDI GREEN TICK

Organisations world-wide are looking to ensure their environmental footprint is minimised and only products which have been designed with sustainability in mind are used. The **AFRDI Green Tick** certifies supplier's products meet our expectations for the ethical sourcing of materials free from harmful levels of toxic chemicals, and feature sustainable design, which minimises waste and encourages the responsible use of water and energy in their manufacture.

The **AFRDI Green Tick** certification is a Green Building Council of Australia (GBCA) recognised product certification scheme, allowing the products to contribute to a Green Star rating.

AFRDI Green Tick covers such attributes as Product Stewardship, Compliance with Laws and Regulations, Fitness for Purpose, Materials Selection, Hazardous Substances, Indoor Environment Quality, Disassembly Recycling Modularity and Product Refurbishment. For the Platinum Level AFRDI Green Tick also covers Operational Energy Water and Waste, Corporate Social Responsibility, Transport and Packaging.

Our Green Tick program features three levels of attainment:

- **AFRDI Green Tick** 'Silver'
- **AFRDI Green Tick** 'Gold'
- **AFRDI Green Tick** 'Platinum'



FURNTECH ORANGE TICK

Children's products like cots and bunk beds have mandated minimum safety requirements detailed by the Australian Competition and Consumer Commission (ACCC). These are called Consumer Protection Notices (CPNs) and are often referred to as the Mandatory Standard. The CPNs generally refer to only part or parts of the Australian Standard. AFRDI assess against these CPN requirements and grants **Furntech Orange Tick** as recognition of meeting the CPN.



AFRDI 146 LEATHER STANDARD

When specifying leather products, it is important not to forget the performance and safety of the upholstery. In addition, there are many materials on the market which try to pass themselves off as leather, but are in fact inferior imitations.

Don't get caught out, the **AFRDI 146 Leather Standard** ensures the leather upholstery which is specified for your product is not only genuine leather, but also meets international performance standards.

A child with blonde hair, wearing a patterned jacket and blue jeans, is running across a grey tiled floor in a modern architectural space. The background features a wall with a grid of circular openings, some of which are illuminated from within, creating a warm orange glow. The child is in motion, slightly blurred, running from left to right. The overall scene is a blend of modern design and human activity.

TESTING VERSUS CERTIFICATION

There is often confusion between the meaning of Testing versus Certification. Testing alone is not Product Certification.

TESTING

Testing is the process whereby a particular product is tested against an international, national or industry standard.

The first step towards Product Certification is testing.

PRODUCT CERTIFICATION

Product Certification is where a third party (AFRDI) provides assurance that a nominated product fulfils and will continue to fulfil the requirements of the certification criteria.

AFRDI CERTIFICATION

AFRDI Certification is open to suppliers whose products and organisations meet the requirements.

For AFRDI to endorse a product, the Institute needs to have an on-going contractual relationship with the supplier that ensures purchasers can rely on certificates of endorsement. Certification involves periodic audits and the investigation of complaints arising from the sale of endorsed products.

Under the AFRDI product certification program, suppliers agree to:

- maintain quality of production to at least that of the samples tested
- advise of changes in the product including changes in materials, components, production methods and place of manufacture prior to these changes taking place
- not use (nor permit its agents to use) the logo to promote goods which are not covered by the agreement or to misrepresent the nature of AFRDI's endorsement
- keep and make available a register of complaints arising from the sale of goods covered by the agreement
- agree to checks of the quality of products covered by the agreement
- maintain an adequate product liability insurance cover
- pay a certification fee – typically three years
- submit products for reassessment each three years.

In return, AFRDI agrees to:

- permit the use of relevant AFRDI logos to promote goods covered by the agreement
- commend to specifiers and purchasers the goods covered by the agreement in lists on the Institute's website www.furntech.org.au.

USING THIS GUIDE

The following pages describe some of the key risks associated with products as well as testing and certification which can be used to mitigate these risks. If you are creating tender documents, specification or purchasing requirements, you can use this information to ensure you are covering the necessary issues which require due diligence.

The tables for each of the sections describes the solutions AFRDI offers in each risk category.

- **Safety and Strength:** *Is the product sufficiently strong enough to withstand hard use and not collapse? Is it free from sharp edges or entrapment hazards? Ensuring the product is safe is of critical importance. (N.B. when present, the compliance of electrical components is not covered).*
- **Durability:** *How will the product perform over time? In testing, loads are often applied over many thousands of cycles to simulate use over the life of the product.*
- **Stability:** *Is the product likely to topple over, is it unstable? Tipping furniture can cause severe injuries.*
- **Flammability:** *Does the foam/mesh product (or the whole item in the case of plastic Monobloc chairs) resist smouldering ignition sources e.g. cigarettes? While most materials will catch fire given sufficient ignition intensity, flammability testing checks that the materials will resist smouldering ignition sources. This provides important time to assist in putting out an incipient fire or to evacuate the premises.*
- **Toxic Chemicals and off-gassing:** *Are toxic chemicals within acceptable limits? Most materials incorporated into a product are the result of a variety of chemical processes. It is important to ensure any remaining toxic chemicals are within acceptable limits.*
- **Sustainability:** *Is the product manufactured with a regard to its environmental impact? Have the materials of which it is comprised been sourced responsibly? Organisations and end-users increasingly require products to be as sustainable as possible.*
- **Legal Sourcing of Timber:** *Is the timber legally sourced? Australia has introduced Illegal Logging Laws which make it a criminal offence to import illegally logged timber and timber products into Australia. Forest Stewardship Council (FSC) Forest Management and Chain of Custody; Programme for the Endorsement of Forest Certification (PEFC); Australian Forest Certification (AFC) are certification schemes. See www.agriculture.gov.au/forestry/australias-forests/certification*
- **Heavy users for chairs and bunks:** *you will also need to consider the weight of the user – in the case of heavy users, you may need to specify the **AFRDI Blue Tick Rated Load** certification instead of the normal **AFRDI Blue Tick** to ensure the item will perform as expected.*
- **Ergonomics:** *Is the product designed to meet the ergonomic requirements of the standard and the user? A safe and suitable working environment is necessary for the occupational health and safety of the user as well as their general comfort.*

At the end of this guide we include some recommended tender clauses to assist you with the preparation of any tender documents. These are designed to allow you to specify the necessary criteria for a given product. [Generic Recommended Tender Clauses p34.](#)

ASSESSING SUBMITTED DOCUMENTATION

While it is important to specify comprehensive requirements, much of the technical documentation which is submitted can be difficult to interpret. Below are some hints to assist you when reviewing documentation.

1. ENSURE ANY SUBMITTED CERTIFICATES HAVE NOT EXPIRED

All AFRDI certificates will have a nominal expiry date. Check to ensure the certificate you have received is still current. If the certificate is approaching expiry, it is recommended you seek assurance from the supplier that the certificate will be renewed prior to the expiry date.

2. CHECK CERTIFICATES ARE GENUINE

Unfortunately all testing and certification organisations face the issue of their certificates being forged by third parties and attempt to use them to pass off inferior and non-compliant products as if they are certified. Be suspicious of any certificates which have name changes, errors, strange fonts or where images and text is unclear.

AFRDI certificates should also be checked for currency and authenticity online against the relevant product listing at www.furntech.org.au

If you believe a certificate or test report you have received has been modified or forged, please contact AFRDI (admin@furntech.org.au).

3. ENSURE AFRDI CERTIFICATES SUPPLIED COVER THE EXACT PRODUCT(S) SPECIFIED

For AFRDI Certification, the product which is being proposed should be exactly the one which has been tested, certified and named as shown on the AFRDI certificate, and not an extension of the range, optioned-up or with a different name. Do not accept a product which is similar to the certified one as this offers little to no benefit for your due diligence.

Also, having certified individual components is not a substitute for a certificate for the whole fully assembled product. For example, if you are buying a height adjustable swivel chair, the **AFRDI Blue Tick** certificate you receive should be for the exact, fully assembled chair, not just for its individual components, such as its star base or tilt mechanism.

4. FOR NON-AFRDI CERTIFICATES OR TEST REPORTS, CHECK THE ISSUING BODY IS AN ACCREDITED, INDEPENDENT THIRD PARTY

Laboratory accreditation is an important mechanism which ensures the organisation doing the work is technically competent and able to perform any assessments to the relevant standards correctly. If accepting documentation from organisations other than AFRDI, you should check to ensure the issuer is accredited to perform the testing, as detailed in their laboratory scope.

5. SEEK ASSURANCE IF DOCUMENTATION IS OFFERED WHICH CLAIMS IT IS EQUIVALENT TO YOUR SPECIFICATIONS

AFRDI and Australian/New Zealand Standards are developed by the nation's leading experts and take into account the unique requirements of the Australasian environment. While some International standards may offer similar levels of protection, before accepting other documentation you should first check with AFRDI and then seek written assurance from the supplier.

Specifiers and clients who are AFRDI members can contact us for free advice if they require any assistance in assessing documentation.

Further details can be found [here](#).

Photo: Mitchell Luo/Unsplash

The background of the page is a photograph of a modern architectural interior. It features a large, curved structure with multiple layers in shades of light blue, beige, and white. A large glass skylight is visible in the upper left corner, allowing natural light to illuminate the space. The overall aesthetic is clean, minimalist, and futuristic.

PRODUCT SOLUTIONS

FIXED HEIGHT CHAIRS

Fixed height chairs can be found in a variety of settings, from visitor chairs in offices, to dining chairs in restaurants and cafés, to chairs for domestic or health facilities.

Fixed height chairs are expected to receive considerable and variable use and so it is important to ensure they are fit-for-purpose and perform as expected.

AFRDI Blue Tick Certification for Fixed Height Chairs is based on AS/NZS 4688 which specifies three performance levels which **are suitable for no more than occasional use by people over 100kg (AFRDI 4 and 5) and to 110kg (AFRDI Level 6).**

CERTIFICATION LEVEL	INTENDED APPLICATION
AFRDI Blue Tick Level 4	Chairs for heavy domestic and light commercial use
AFRDI Blue Tick Level 5	Chairs for general commercial use
AFRDI Blue Tick Level 6	Chairs for heavy commercial use




For heavier users i.e. where you expect regular use by people over 100-110kg or in uncontrolled heavy use public space environments, health facilities or anywhere where there is the desire for an extremely low probability of structural failure, the **AFRDI Blue Tick Rated Load Standard, AFRDI 151** should be used instead.

CERTIFICATION LEVEL	INTENDED APPLICATION
AFRDI Blue Tick Rated Load	Chairs for heavy users up to 135kg
AFRDI Blue Tick Rated Load	Chairs for heavy users up to 160kg
AFRDI Blue Tick Rated Load	Chairs for heavy users up to 185kg
AFRDI Blue Tick Rated Load	Chairs for bariatric use up to 300kg

If you require a sustainability element in your testing, request **AFRDI Green Tick** Certification, which is based on **AFRDI Standard 150**.

RISK

AFRDI TESTING AND CERTIFICATION SOLUTIONS

			
Safety and Strength	●	●	
Durability	●	●	
Stability	●	●	
Ergonomic Dimensional Requirements	●	●*	
Foam/Mesh Ignitability	●	●	
Heavy Users		●	
Multi-person Seating	●		
Sustainability (incl. Fitness for Purpose and Toxicological Requirements)			●

*Chair dimensions may need to be checked to ensure they are suitable for their intended user.



Fixed height chair

HEIGHT ADJUSTABLE SWIVEL CHAIRS

Height Adjustable Swivel Chairs are extensively used in office environments, from high back executive chairs to task chairs.

Users will often sit in these chairs for long periods of time, so the chairs need to be ergonomically designed and robust enough to achieve the expected number of load cycles without compromising their structural integrity.

AFRDI Blue Tick Certification for Height Adjustable Swivel Chairs is based on AS/NZS 4438 which specifies three performance levels which are **suitable for users up to 110kg**.

CERT. LEVEL	INTENDED APPLICATION
AFRDI Blue Tick Level 4	Light Commercial. Suitable for heavy domestic use, general office, contract hospitality and executive use
AFRDI Blue Tick Level 5	Medium Commercial. Suitable for heavy duty office use, hospitality, industrial and similar applications
AFRDI Blue Tick Level 6	Heavy Commercial. Suitable for extremely severe conditions




For heavier users, the **AFRDI Rated Load Standard, AFRDI 142** should be used instead.

CERT. LEVEL	INTENDED APPLICATION
AFRDI Blue Tick Rated Load 135 SS	Chairs for heavy users up to 135kg for 40 hours per week
AFRDI Blue Tick Rated Load 135 MS	Chairs for heavy users up to 135kg for greater than 40 hours per week
AFRDI Blue Tick Rated Load 160 SS	Chairs for heavy users up to 160kg for 40 hours per week
AFRDI Blue Tick Rated Load 160 MS	Chairs for heavy users up to 160kg for greater than 40 hours per week

If you require a sustainability element in your testing, request **AFRDI Green Tick** Certification, which is based on **AFRDI Standard 150**.

RISK

AFRDI TESTING AND CERTIFICATION SOLUTIONS

			
Safety and Strength	●	●	
Durability	●	●	
Stability	●	●	
Ergonomic Dimensional Requirements	●	●*	
Foam/Mesh Ignitability	●	●	
Heavy Users		●	
Sustainability (incl. Fitness for Purpose and Toxicological Requirements)			●

* Chair dimensions may need to be checked to ensure they are suitable for their intended user.



Height adjustable swivel chair

RANKED SEATING

Ranked Seating is extensively used in theatres, sports stadiums and lecture rooms.

Many users will sit in these seats for various periods of time. The seats need to be designed to cover a wide range of users. They need to be comfortable, strong and durable.



AFRDI Blue Tick Certification for Ranked Seating is based on BS EN 12727 which specifies four performance levels.

CERTIFICATION LEVEL	INTENDED APPLICATION
AFRDI Blue Tick Level 1	Light
AFRDI Blue Tick Level 2	Moderate
AFRDI Blue Tick Level 3	General
AFRDI Blue Tick Level 4	Severe

If you require a sustainability element in your testing, request **AFRDI Green Tick** Certification, which is based on **AFRDI Standard 150**.

RISK

AFRDI TESTING AND CERTIFICATION SOLUTIONS

		Various standards	
Safety and Strength	●		
Durability	●		
Stability	●		
Ignitability (optional)		●	
Sustainability (incl. Fitness for Purpose and Toxicological Requirements)			●



Ranked seating

DESKS AND WORKSTATIONS

In most office environments desks and workstations are in abundance, whether they are set up as partitioned work spaces, or executive desks in offices or in home office environments.

A significant proportion of the end-user’s day will be spent at their workstation, and consequently they must be functional and sturdy, while still being ergonomically designed. Additionally, any mechanical actions, such as height adjustable workstations or sit-to-stand desks must be durable and able to operate safely.



Equipment must be able to be positioned to ensure the end-user is not straining their vision or straining to reach items.

AFRDI Blue Tick Certification for Desks and Workstations is based on AS/NZS 4442.

If you require a sustainability element in your testing, request **AFRDI Green Tick** Certification, which is based on **AFRDI Standard 150**.

RISK

AFRDI TESTING AND CERTIFICATION SOLUTIONS

		
Safety and Strength	●	
Durability	●	
Stability	●	
Ergonomic Dimensional Requirements	●	
Sustainability (incl. Fitness for Purpose and Toxicological Requirements)		●



Height adjustable desk

PRODUCT SOLUTIONS

OFFICE STORAGE

Storage furniture is extensively used in commercial environments. Examples include filing cabinets, fixed and free-standing cabinetry, display cabinets and shelving units.

These products must be strong enough to support the items they are storing, as well as stable enough to ensure they do not topple over when, for example, a drawer or door is opened.





AFRDI Blue Tick Certification for office furniture is based on a number of standards, including AS 5079 (Filing cabinets), and AS/NZS 4790 (Storage units).

NB. While products are assessed and certified for stability, overloaded or improperly used storage furniture can still topple over under certain circumstances.

If you require a sustainability element in your testing, request **AFRDI Green Tick** Certification, which is based on **AFRDI Standard 150**.

RISK

AFRDI TESTING AND CERTIFICATION SOLUTIONS

	Filing Cabinets		Office Storage	
				
Safety and Strength	●		●	
Durability	●		●	
Stability	●		●	
Sustainability (incl. Fitness for Purpose and Toxicological Requirements)		●		●



Filing cabinet

TABLES

Tables are often specified for boardrooms, meeting rooms and breakout spaces. They are also widely used in dining areas.

While tables in these settings may only be used periodically, specifiers and users still need evidence that the products are sufficiently robust and durable for the expected level of use.

Additionally, tables often have castors or folding mechanisms which need to be assessed to ensure they will function safely and correctly over time.

AFRDI Blue Tick certification for tables is based on a modified version of European Standards. There are three certification levels as suitable for a commercial or domestic setting.

CERTIFICATION LEVEL	INTENDED APPLICATION
AFRDI Blue Tick Level 1	Light Commercial
AFRDI Blue Tick Level 2	General Commercial
AFRDI Blue Tick Level 3	Severe Commercial

If you require a sustainability element in your testing, request **AFRDI Green Tick** Certification, which is based on **AFRDI Standard 150**.

RISK

AFRDI TESTING AND CERTIFICATION SOLUTIONS



Safety and Strength	●	
Durability	●	
Stability	●	
Sustainability (incl. Fitness for Purpose and Toxicological Requirements)		●



Table

PLASTIC MONOBLOC CHAIRS

Plastic Monobloc Chairs find wide use in both indoor and outdoor applications. They are often seen, due to price, colour options and availability, as a quick solution for events.

AFRDI Blue Tick Certification for Plastic Monobloc chairs is based on AS/NZS 3813 which specifies two performance levels, both of which are suitable for users up to 135kg. **AFRDI Blue Tick** certification is based on strength, durability and stability as a minimum. Additional tests covering ignitability and UV/weathering are also available

CERT. LEVEL	INTENDED APPLICATION
Normal Duty	Suitable for normal durability requirements
Heavy Duty	Suitable for heavy duty durability (double the durability cycles of normal duty)




AFRDI Blue Tick Certification is also available for Plastic Monobloc chairs based on AS/NZS 3813 (**modified**) which specifies two performance levels which are suitable for users up to 110kg.

CERT. LEVEL	INTENDED APPLICATION
Normal Duty	Suitable for normal durability requirements
Heavy Duty	Suitable for heavy duty durability (double the durability cycles of normal duty)

If you require a sustainability element in your testing, request **AFRDI Green Tick** Certification, which is based on **AFRDI Standard 150**.

RISK

AFRDI TESTING AND CERTIFICATION SOLUTIONS

			
	135kg	110kg	
Strength and Strength	●*	●	
Durability (normal or heavy duty)	●*	●	
Stability	●	●	
Ignitability (optional)	●	●	
UV Weathering (optional)	●	●	
Sustainability (incl. Fitness for Purpose and Toxicological Requirements)			●

* More severe and comprehensive than 110kg



Plastic monobloc chair

SCHOOL AND EDUCATION FURNITURE

Furniture which is destined for an educational setting must meet the unique requirements of students.

School and Education Furniture needs to be able to withstand both normal use and even misuse, while remaining safe and ergonomic.

AFRDI Blue Tick Certification for School and Education furniture is based on AS/NZS 4610 which specifies two performance levels.

CERT. LEVEL	INTENDED APPLICATION
Normal	Suitable for supervised educational environments
Severe	Suitable in unsupervised environments where a higher level of misuse may be expected to occur

Size Marks - School and Education Standards for tables and chairs ensure furniture is the appropriate size, shape and design to maintain good posture and reduce strain and muscle pain in students. Size marks indicate which seat heights and table heights are suitable for the student’s stature. See AFRDI’s online size mark guide [here](#).

AS/NZS 4610 has 3 parts.

- Part 1 Tables
- Part 2 Chairs
- Part 3 Storage

If you require a sustainability element in your testing, request **AFRDI Green Tick** Certification, which is based on **AFRDI Standard 150**.

RISK

AFRDI TESTING AND CERTIFICATION SOLUTIONS



Safety and Strength (normal or severe)	●	
Durability (normal or severe)	●	
Sizemark	●	
Stability	●	
Ergonomic Dimensional Requirements	●	
Foam/Mesh Ignitability	●	
Sustainability (incl. Fitness for Purpose and Toxicological Requirements)		●



School desk and chair

HOUSEHOLD COTS

The purchase of a cot is a very important decision by consumers. The cot must first be safe for the child and then other attributes like carer access, style and price are necessary considerations.

AFRDI Blue Tick Certification for Household cots is based on AS/NZS 2172:2013 (the latest edition).



Furntech Orange Tick Certification is based on the Consumer Protection Notice (CPN) No. 6 of 2005, often referred to as the Mandatory Standard, which is the minimum legal requirement in Australia.

In addition mattress firmness can also be assessed. AS/NZS 8811.1 covers this requirement. It can be assessed on a stand-alone mattress or will be tested as part of AS/NZS 2172 if the cot includes a mattress in the pack.

See <https://productsafety.gov.au/standards/household-cots>

RISK

AFRDI TESTING AND CERTIFICATION SOLUTIONS

		Mattress Firmness	
Safety and Strength	●*		●
Durability	●*		●
Stability	●*		●
Mattress Firmness	●#	●	
Toxicological Requirements	●		

* More severe and comprehensive than the CPN.
 # If mattress is included in the pack.



Household cot

FOLDING COTS

Like household cots, the purchase of a folding cot is a very important decision by consumers. The cot must first be safe for the child and then other attributes like carer access, style and price are necessary considerations.

AFRDI Blue Tick Certification for Folding Cots is based on AS/NZS 2195:2010 (the latest edition).



Furntech Orange Tick Certification is based on the Consumer Protection Notice (CPN) No.4 of 2008 often referred to as the Mandatory Standard, which is the minimum legal requirement in Australia.

In addition mattress firmness can also be assessed on a stand-alone mattress. AS/NZS 8811.1 covers this requirement.

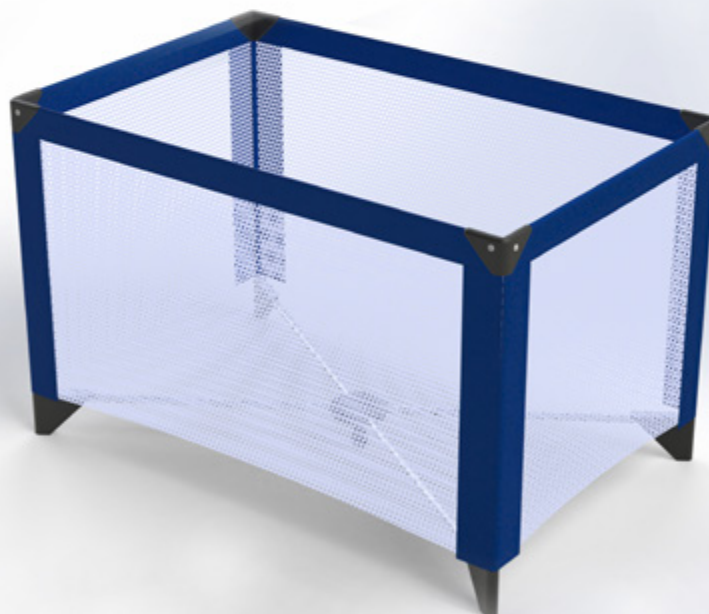
See <https://productsafety.gov.au/standards/folding-cots>

RISK

AFRDI TESTING AND CERTIFICATION SOLUTIONS

		Mattress Firmness	
Safety and Strength	● *		●
Durability	● *		●
Stability	● *		●
Mattress Firmness		●	
Toxicological Requirements	●		

* More severe and comprehensive than the CPN



Folding cot

BUNK BEDS

Bunk Beds offer consumers space saving options for children’s sleeping quarters. They are also a good use of space in a holiday house, dormitory or barracks and short-term rental accommodation. As with Cots, a safe product is the primary consideration.

AFRDI Blue Tick Certification for Bunk Beds is based on AS/NZS 4220:2010 (the latest edition).

Furntech Orange Tick Certification is based on the Consumer Protection Notice (CPN) No. 1 of 2003 often referred to as the Mandatory Standard. This standard assesses only safety not strength or durability and is the minimum legal requirement for product sold in Australia.




See <https://productsafety.gov.au/standards/bunk-beds>

For heavier users, the **AFRDI Rated Load Standard, AFRDI 152** should be used instead.

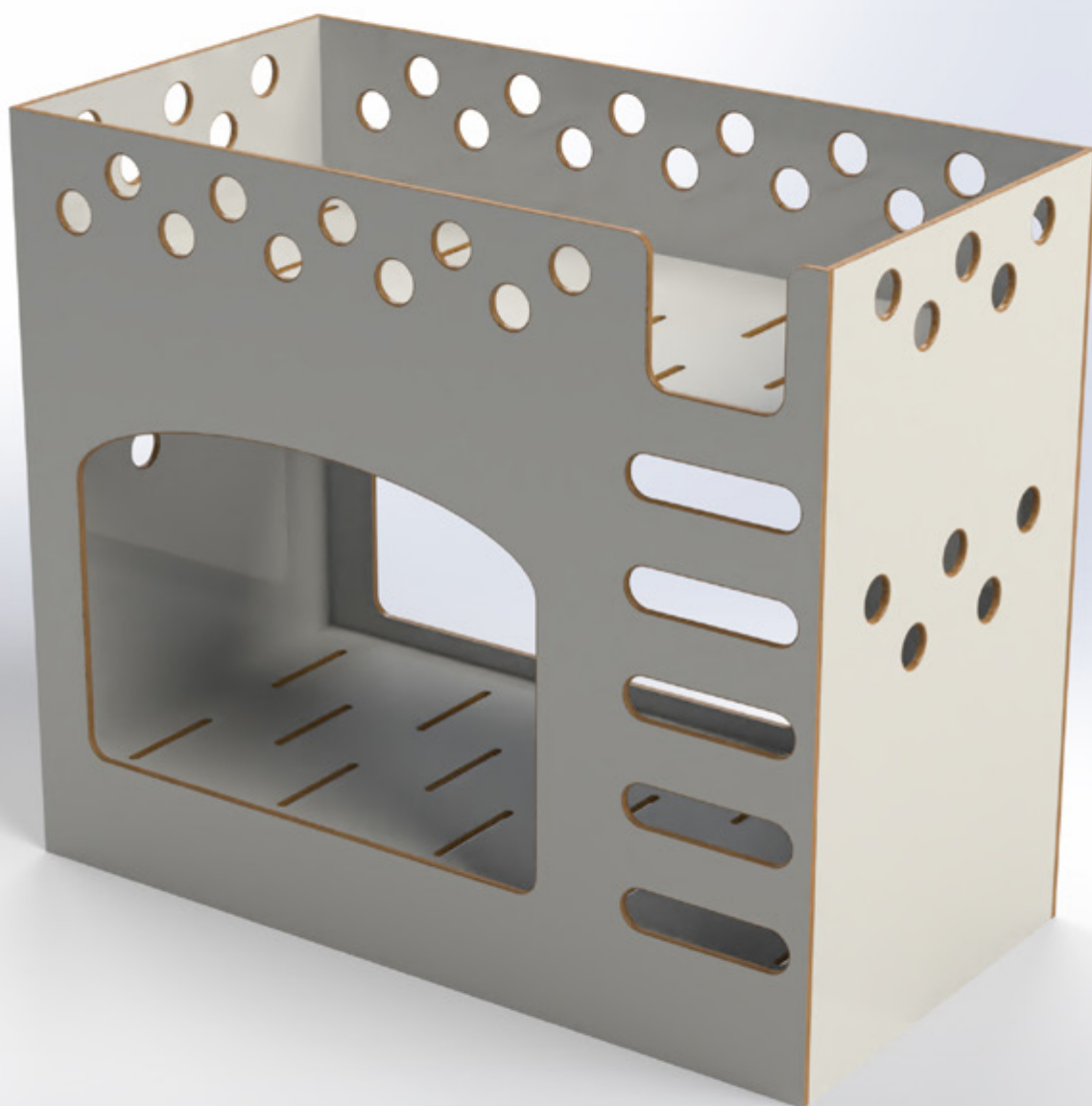
The Rated load option includes users up to 135kg.

RISK

AFRDI TESTING AND CERTIFICATION SOLUTIONS

			
Safety	●	●	●
Strength and Durability	●		●*
Stability	●		●*
Heavy Users			●
Toxicological Requirements	●		●

*More severe and comprehensive



Bunk bed

GENERIC RECOMMENDED TENDER CLAUSES

1. STANDARDS

- 1.1 All products supplied under this tender are to be tested in an accredited, independent, third party laboratory.
- 1.2 Products must be tested and certified to **AFRDI Blue Tick/AFRDI Green Tick/Furntech Orange Tick**.
- 1.3 Leather upholstery used must meet at a minimum AFRDI 146 for leather.
- 1.4 The accepted testing laboratory for products under this tender is:
 - 1.4.1 Australasian Furnishing Research and Development Institute Ltd (AFRDI), or an accredited independent third party laboratory with an equivalent 3-year certification scheme to AFRDI.
- 1.5 Component certification is different from product certification, and component certification alone is not accepted under this tender.

2. ELECTRICAL COMPLIANCE (WHERE APPLICABLE)

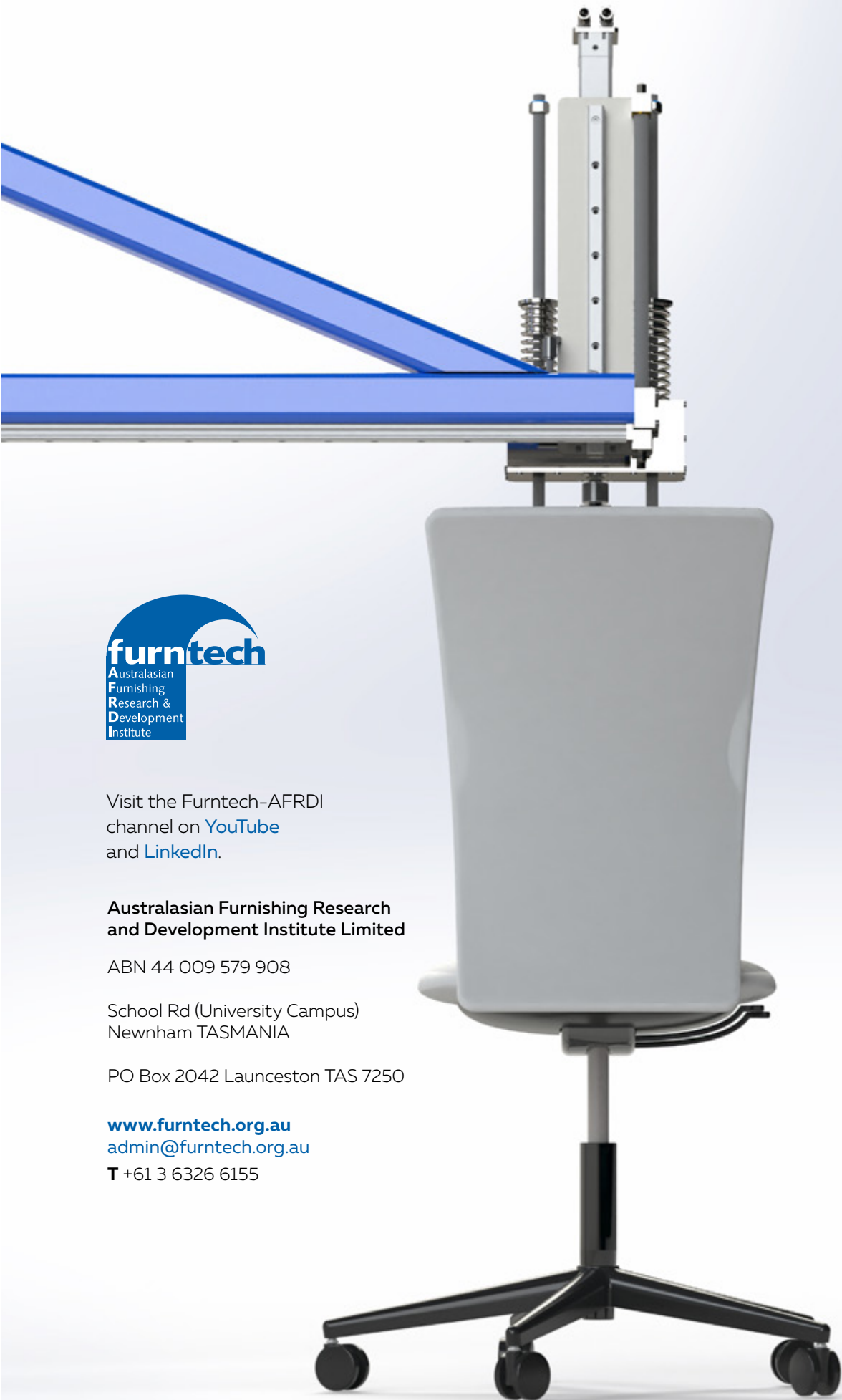
- 2.1 All products supplied under this tender which incorporate electrical components must comply with all State and Federal regulations for electrical safety, electromagnetic compatibility, electromagnetic radiation, radiocommunications and energy efficiency.
- 2.2 Electrical components must be tested and comply with the relevant AS/NZS standard(s).
- 2.3 If the electrical components incorporate declared (level 3) electrical articles, such as an external power supply, they must be tested and certified to the appropriate electrical standard(s) and registered on the Electrical Equipment Safety System (EESS) database.

3. ENVIRONMENTAL

- 3.1 The supplier must ensure the products supplied under this tender are manufactured from wood that is independently certified as meeting global forest management standards by the Forest Stewardship Council (FSC), or Programme for the Endorsement of Forest Certification (PEFC) or Australian Forestry Standard (AFS).
- 3.2 The supplier must ensure products supplied under this tender do not emit Total Volatile Organic Compounds in concentrations greater than 0.5mg/m²/hr.
- 3.3 The composite or engineered wood products used must have a formaldehyde emission rating of E1 or better.
- 3.4 Products must meet at a minimum **AFRDI Green Tick Silver**.
- 3.5 It is desirable that the supplier has AS/NZS ISO 14001 certification or as a minimum a management system which would meet AS/NZS ISO 14001.

4. QUALITY MANAGEMENT

- 4.1 The supplier must ensure the products are fit-for-purpose for the end use environment.
- 4.2 The supplier must ensure the products supplied under this tender are manufactured/ assembled in factories with AS/NZS ISO 9001 accreditation.



Visit the Furntech-AFRDI channel on [YouTube](#) and [LinkedIn](#).

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