



# ***Information Kit on Testing Timber Finishes***

## **Introduction**

Furntech is the only laboratory in Australasia certified to test timber finishes to the European standards that have been widely adopted in Australia and New Zealand. AFRDI Standard 138 - 00 – *Durability of timber finishes for domestic furniture* was developed in consultation with timber finish suppliers to align performance requirements in the various standards with a range of end uses.

AFRDI 138 has been adopted by the FIAA Furnishing Quality Program as the prequalification standard for timber finishes used on domestic furniture items.

Prices quoted are per sample. Information on Furntech membership is available from the Institute and our website.

## **Furnishing Quality Program Suite of Tests**

AFRDI 138 covers resistance to mechanical damage (scrape, cross cut and impact from dropped ball bearing), resistance to cold liquids and resistance to wet and dry heat.

For testing to the required suite of tests in AFRDI 138:

- |                      |   |
|----------------------|---|
| Minimum sample size: | 400 mm x 300 mm (substantially flat) - can be in two pieces 200 mm x 300 mm.  |
| Ageing:              | Not less than 4 weeks at a temperature not less than 15°C and not more than 30°C with free access to air.   |
| Price:               | The cost of testing each sample to this suite would be \$987. This price includes a small fee for monitoring quality for a period of three years including random testing and retesting in the event of complaints. This price is subject to GST and membership discount. Bulk testing may also attract reduced fees. |

Other test options are set out at the end of this Information Kit.

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Published by Furntech, the Australasian Furnishing Research and Development Institute, an independent not-for-profit technical organisation serving furniture buyers and sellers in Australia and New Zealand. **Telephone 03 6326 6155, Fax 03 6326 3090, email [info@furntech.org.au](mailto:info@furntech.org.au)**

## **Furntech-AFRDI Information Kit on Testing Timber Finishes**

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### **Information Required**

Please complete the attached Testing Request form and include with it details of the preparation of the sample including the trade names of each coat and the treatment (curing time, sanding time, grain of sandpaper, etc.) given between each coat.

Each sample should be clearly identified on the reverse face with the description used on the Testing Request form.

The outside of the packaging should be marked:

Furntech Reference Number (if known)  
DELIVER TO Furntech  
SCHOOL ROAD (UNIVERSITY CAMPUS)  
NEWNHAM TASMANIA 7248

### **Payment**

Furntech policy is that **PAYMENT MUST BE MADE BEFORE TESTING COMMENCES**. Please phone 03-6326 6155 to request an invoice if this will help to facilitate payment. Facilities are available for payment by Bankcard, Visa and Mastercard.

### **Queries**

If you have any problems with any of this please phone Furntech on 03 6326 6155.

### **Other Test Options**

In addition to the suite of tests in AFRDI 138, the Institute offers testing to specific British and European standards.

#### ***BS 3962 Part 6 - Resistance to mechanical damage***

- Minimum sample size: 400 mm x 100 mm x 10 mm (substantially flat)  
If the panel surface has a grain pattern, the 400 mm dimension shall be across the grain.
- Ageing: Allow final coat to age for at least 28 days at a minimum of 15°C with free access to air.
- Price: The cost of testing to this Standard is \$224, plus GST, less membership discounts.

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### ***BS EN 12720 - Surface resistance to cold liquids***

Minimum sample size:	400 mm x 300 mm (substantially flat) - can be in two pieces 200 mm x 300 mm.
Ageing:	Not less than 4 weeks at a temperature not less than 15°C and not more than 30°C with free access to air.
Other:	1. The exposure time to the test liquids is to be agreed upon. Select from: 10 seconds; 2 or 10 minutes; 1, 6, 16 or 24 hours; 7 or 28 days; or other by agreement 2. Other test liquids can be used by agreement.
Typical Price:	\$390 to \$780 (depending on number of test liquids and exposure times). These prices are subject to GST and membership discounts.
NOTE:	The most common test requirement is for a one-hour exposure to acetone, methylated spirits, turpentine, beetroot juice, coffee, bleach, black marking pen (water based) and light machine oil. The cost is \$320, plus GST, less membership discounts.

### ***BS EN 12721 - Surface resistance to wet heat***

Minimum sample size:	150 mm x 150 mm (substantially flat) per exposure.
Ageing:	Not less than 4 weeks at a temperature not less than 15° C and not more than 30°C with free access to air.
Temperature:	Select from 55, 70, 85 or 100°C.
Price:	\$ 187, plus GST, less membership discounts, per exposure.
NOTE:	The most common test requirement is for exposure to 55°C and 85°C (these are the change points in the values listed in AFRDI 138). The cost is \$195, plus GST, less membership discounts.

### ***BS EN 12722 - Surface resistance to dry heat***

Minimum sample size:	150 mm x 150 mm (substantially flat) per exposure.
Ageing:	Not less than 4 weeks at a temperature not less than 15°C and not more than 30°C with free access to air.
Temperature:	Select from 55, 70, 85, 100, 120, 140, 160, 180 or 200°C.
Price:	\$187, plus GST, less membership discounts.

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NOTE:

The most common test requirement is for exposure to 100°C and 160°C. The cost is \$225, plus GST, less membership discounts.

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## Testing Request - Timber Finish

**Please complete for each product to be tested and fax one copy to 03 6326 3090 and attach the other to the product before dispatch.**

\* Name of Organisation: .....

\* Name of Contact (a): .....

\* Address of Organisation (b): .....

.....

\* Telephone Number: .....

Fax Number: .....

Email: .....

Website: .....

ABN Number .....

\* Description of Product: .....

Product/System Name (c): .....

Reasons for Test: .....

\* Tests Required: Suite  OR

Mechanical

Cold Liquids  - Specify liquids and times.

Wet Heat  - Specify temperature.

Dry Heat  - Specify temperature.

\* Where is product made (d): .....

Cost of Testing (exc. GST): \$.....

\* It is mandatory that information be entered in these fields.

### Authorisations

I hereby authorise Furntech or its agents to carry out the tests described above at the agreed price.

Should the product(s) described above be found to comply with the relevant standard, I authorise Furntech to publicise the fact. *(Optional - please strike out if authority is not given)*

Signature of Authorised Officer .....

Date .....

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#### NOTES

- (a) Please insert the name of the person Furntech staff should contact, if necessary, concerning the tests.
- (b) Please insert street address.
- (c) Please print the name and/or number of the product you wish to appear on the test report.
- (d) Please specify the town and country in which the product is produced.

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