

TECHNOLOGY AND INSTRUMENTS

NZWTA Ltd upgraded our Napier laboratory with new pieces of important innovative testing equipment. The investment brings several significant benefits to our customers, including **increased capacity** and **improved service times**.

WEATHERING CHAMBER / FASTNESS TESTING

Environmental testing is performed to see how various products will react to extreme conditions of temperature, humidity, UV exposure, water, etc. Having the right equipment is critical to cover the scope of weathering and light fastness testing requirements in New Zealand. Our instruments use full spectrum xenon arc lamps with precise measurement of temperature using black panel and chamber sensors. We also accurately control the relative humidity and light intensity during testing – this is essential for compliance with many international standards.



An assortment of filters can be used to match different exposure conditions and as such our instruments can be used to test to a variety of international test methods across many sectors, including:

- Plastics
- Pigments
- Textiles
- Flooring materials
- Sealants
- Coatings

If your business is dependent on meeting product quality standards and/or specifications relating to environmental conditions and fastness, talk to the NZWTA team to see if we can help.

SPECTROPHOTOMETERS FOR COLOUR MEASUREMENT

Colour measurement is a critical specification in several fields. Robust instruments are needed for accurate measurements and to meet tight specifications across applications such as:

- Powders
- Liquids
- Granules
- Textiles
- Coatings
- Plastics and other solids



One common application in New Zealand is that specified in AS/NZS 1906.4:2010 for high-visibility fabrics where colour space and luminance are measured.



*If you require independent testing relating to colour across any product, then NZWTA are your specialists. For more information, contact **NZWTA** on +64 6 835 1086 or email: textiles@nzwta.co.nz*