

CERTAINTY THROUGH CERTIFICATION



A tradition of service

"As business gets tougher and world markets more competitive, the necessity for manufacturers of engineered wood products to have complete confidence in their certification services provider becomes increasingly more important. No marketer of engineered wood products can be careless of product quality assurance from market to market."

James F. Shaw,
President, CertiWood

CertiWood is Canada's most experienced engineered wood products testing and certification agency. Though relatively new in name, CertiWood is a long established organization firmly founded on a half-century of experience and global recognition of its excellent staff and the services provided to member companies.

These highly specialized testing, certification and quality auditing services are offered to North American manufacturers of plywood and veneer; oriented strand board; and other engineered wood products such as laminated veneer lumber, glue-laminated lumber, I-joists and structural composite lumber.

At present, CertiWood holds a dominant position in the Canadian structural plywood certification business serving companies coast to coast.

Over the years and in many marketing endeavours, CertiWood's integrated services demonstrably have been the key to success by conducting product evaluations that give members a solid technical base for decision-making. These services, offered on a highly cost-competitive basis, include:

- Securing and maintaining acceptances for recognition and inclusion within key codes and documents.
- Performing quality inspections and audits to verify regulatory compliance for access to national and international markets.
- Undertaking testing for quality and product development.
- Compiling, analyzing, and making available to member companies, technical information related to global product performance and technical properties.

In addition, CertiWood also responds on a contract basis to requests for custom research or technical evaluation projects aimed at solving specific problems related to product development testing, manufacture or application.

The foregoing services are backed by a communications program aimed at appropriate audiences. This program includes technical and product literature, videos, displays and an informative website. Person-to-person contact through the Centre's technical experts is also provided.



**Technical
competence**



performance



responsiveness

MEMBERS FIRST

C anadian and convenient

As a Canada-based organization, CertiWood's one-step, one-shop, multi-product services make it unnecessary for Canadian manufacturers to bear the costs of shipping test samples out of the country. CertiWood can respond to members' and other clients' service needs in a convenient and timely manner, bringing multi-discipline technical resources to bear on specific market access problems where local codes, national standards or cultural differences are hindrances or outright barriers to trade.



I nternationally accredited

CertiWood maintains accreditations through International Accreditation Services; the Japanese Ministry of Agriculture, Forestry and Fisheries; and other national and international bodies. In scope, these accreditations encompass some 74 domestic and foreign construction codes and product standards covering

engineered wood and related building products ranging from panelboards, to trusses, to timber components and structures.

No other Canadian organization has CertiWood's unique qualifications or can perform such a comprehensive program of testing related to the physical and mechanical properties of wood products. CertiWood's staff and testing facilities stand apart.

"CertiWood was established to service engineered wood product manufacturers. It is a leader in providing internationally recognized wood certification and testing services. I would like you to think of CertiWood when certification or testing comes to mind. CertiWood is Canada's most experienced and trusted wood product certification and testing agency."

Tim Polanski,
Plywood Sales Manager,
Tolko Industries



Full service facility

The CertiWood organization is headquartered in North Vancouver, British Columbia. The Technical Centre is easily accessible via major transportation routes. Mechanical lifting equipment, including a one ton overhead crane, is available to offload large components which can be moved directly to the test floor through a service entrance.

The Technical Centre itself is a showpiece of timber technology and a fine example of the use of engineered wood components in non-residential construction. The 8100 square foot (750 square metre) structure encloses 7200 square feet (670 square metres) of column-free working space capable of testing full-scale components up to 100 feet (30 metres) in length. The floor is composed of a heavily reinforced concrete slab and concrete loading curb which function as reaction beams for the test equipment.

A wide range of equipment and systems, many of which were staff designed and built, are available to test and evaluate engineered wood products. These include:

- Flexure test machine for testing full size panels for bending moment and stiffness.

- Tension test system consisting of hydraulically operated grips designed to test large in-grade specimens.
- Compression test system consisting of compression frame and load distributing head designed to test large in-grade specimens.
- Shear through thickness test system designed to test large in-grade specimens of structural panels.
- Planar shear test system designed to test large in-grade specimens of structural panels.
- Universal bending test machine designed to test small-size specimens.
- Vertical and horizontal cable loading systems for testing full-scale building assemblies.
- Uniformly distributed load test bed for simulating snow, earth, concrete and other loads.
- Concentrated and impact loading test machine for simulating loads on roof and floor systems.
- Rain chamber for accelerated exposure tests.
- Humidity conditioning chamber.

Complex electronic and loading device instrumentation integrated throughout the various test systems ensure fast, accurate and complete computerized data recording.

“Testing conducted at the CertiWood Technical Centre was a key factor in bringing our laminated beam products to market in a timely and profitable manner.”

Fred Wright, LP
Golden, Quality Control
Supervisor



Sustained success

"The dedicated Technical Centre staff did a great job of both testing our proprietary post products and helping us get U.S. acceptance."

Adrian Van de Mosselaer,
Vice President Operations,
Synergy Pacific

"Thanks go to the Technical Centre for getting our glulam beams JAS-Certified for the Japanese marketplace."

Cam Stewart,
Plant Manager, TSW

No quality assurance or certification program is better than the people who execute it. CertiWood takes pride in its energetic and talented team of professional engineers, technologists and technicians. On average, each staff member has over 17 years experience in wood products testing and together have achieved a quality of service and a level of excellence unsurpassed in Canada.

Staff also has a wide range of experience beyond the provision of testing and certification services, thus providing members and clients with a competitive advantage. In many instances,

staff has conceived or adapted purpose-specific equipment in order to facilitate new product development and/or to generate the most complete and useful body of data for manufacturers of engineered wood products.

As experts in their respective fields, staff members sit as industry representatives on committees of the International Organization for Standardization (ISO), the National Institute of Standards and Technology (NIST), the Canadian Standards Association (CSA), ASTM International, and other government bodies and organizations impacting the use of members' products.



Value for money

Competitive pressure and the escalating cost of multi-national marketing make it imperative that wood product manufacturers reduce costs wherever possible. CertiWood's services are extremely cost-competitive. The organization has a long-standing reputation for reliable cost control and delivering value for money.

Comparative cost analyses have shown that by choosing CertiWood as their certification and quality auditing service provider, Canadian manufacturers cut cost-of-service by as much as 20%, amounting to tens of thousands of dollars or more. And the savings are immediate, usually with no additional cost incurred by switching providers.

Plus, costs are not subject to the vagaries of currency exchange, thus lending predictability in an unpredictable environment.

Decades of practical experience aside, the substantial savings offered by CertiWood are

attributable to its lean professional organization and streamlined hierarchy. Staff and managerial resources are always concentrated where they are most beneficial: guiding members through the complexities involved in product certification.



CertiWood certifies quality

Engineered wood products certified by CertiWood bear the internationally accepted marks of quality shown opposite. These certification marks are an assurance to consumers that the product conforms to the appropriate governing standard and that it will perform in a structurally predictable manner. The marks are thus a meaningful symbol of excellence, valued by manufacturers and users alike. CertiWood-certified products are accepted and specified with confidence throughout the world.



- OSB
- LVL
- Structural Composite Lumber
- I-joists
- Glulam



- Canadian Softwood Plywood
- Douglas Fir Plywood



ACCREDITATIONS



CertiWood is accredited by International Accreditation Services conformity to:

ISO/IEC 17020 Inspection Agency (TYPE A) Third Party Body.

ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories.

ISO/IEC Guide 65 General Requirements for Bodies Operating Product Certification Systems.



CertiWood is accredited by the Japanese Ministry of Agriculture, Forests and Fisheries (MOAFF) as a Registered Overseas Certifying Body (ROCB).



CertiWood is authorized by BM TRADA as UKAS accredited Notified Body to certify conformance of wood-based panels to EN13986 (CE mark).



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