



LIGATE™ FOR INDOOR ENVIRONMENTS

An innovative bio-adhesive technology utilising 100% renewable resources for wood panel products creating healthy homes and offices.

Ligate™ is a water-based technology that uses nature's chemistry to combine renewable plant resources into sustainable adhesives.

The patented technology is formaldehyde and petrochemical-free. Ligate™ 100% bio-based technology sets a new benchmark in sustainable living solutions.

Ligate™ technology is compatible with existing adhesive and panelboard manufacturing operations. The non-toxic nature of the formulations reduces risks to workers' health.

LIGATE™ INTERIOR

Ligate™ Interior is a low emission adhesive for wood panel products for all furniture and interior design applications.

Careful selection of renewable components confers excellent interior grade performance. The composition of Ligate™ Interior scavenges formaldehyde, contributing to formaldehyde emission values lower than those of natural wood.

PERFORMANCE

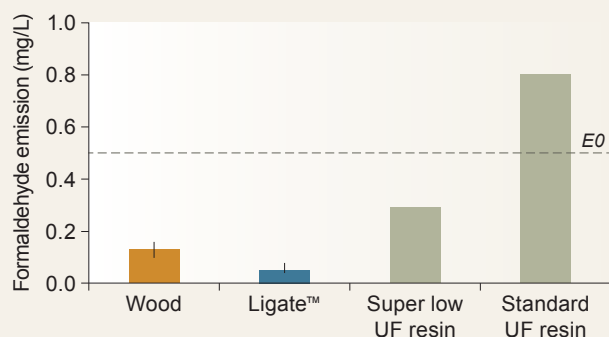
Ligate™ Interior is a non-structural adhesive that meets performance standards for interior grade veneer panel products.

Plywood with Ligate™ Interior has formaldehyde emissions less than 0.1 mg/L, levels that are well below current international E0, CARB II and F**** requirements.

Ligate™ Interior provides excellent plywood bond ratings providing veneer products with satisfactory strength and flexural properties.

Softwood plywood property	Ligate™ Interior	PF resin
Dry bond quality (1-10)	8-10	8-10
24 h water soak bond quality (1-10)	3-5	8-10
Tensile Stress (MPa)	2.5	3.3

Tested to AS/NZS 2098.2:2006 and ASTM D906-98



CONTACT

Warren Grigsby
Programme Leader, Bioadhesives
Email: warren.grigsby@scionresearch.com

Rob Lei
Business Development Manager
Email: Robert.Lei@scionresearch.com

Phone: +64 7 343 5899

The information provided herein is based on our own research and development work, and has been provided in good faith on the basis that every endeavour has been made to be accurate and not misleading. However nothing in this document should be construed as a guarantee, warranty (either express or implied) or representation of any kind. No liability or responsibility arising out of the information provided is accepted, including liability for infringement of Intellectual Property rights. Users should make their own enquiries as to the suitability of products for their intended use, and their legal status.