



Bio based and renewable lignin is used as a replacement for traditional fossil products. Lignin is a recyclable and ecologically friendly product, abundantly available in the world in trees and plants.

It is a wood component that gives plants shape and stability as a kind of connector, thus solidifying the cell wall.

Plant-based adhesives

Lineo (Lignin) is made from sustainably sourced wood by Stora Enso, a leader in sustainability.

FSC® and PEFC™ chain-of-custody certifications, as well as ISO 14001, ISO 9001, ISO 50001 and ISO45001 accreditations.

PLYTECH GREEN PRODUCTS



Polaris HPL



Futura HPL

OUR COMMITMENT

We continuously seek to offer our customers the latest in technology and product solutions, and this latest technological development in plant-based lignin glue is next level and is setting the pace for environmentally conscious plywood in the market.

This technology does not only offer the same quality, consistency and technical properties as the previous range, but now reduces the carbon footprint of the Plywood from production to its end-uses, offering to our customers a significant competitive advantage in the increasingly green business, home and living environment at no extra cost.

LIVING BUILDING CHALLENGE

Complies to Living Building Challenge:

Health & Happiness Petal

Materials Petal

GREENSTAR

Credits towards Green Star:

Credit 13.2 Engineered Wood Products:

13.2B Laboratory Testing.
All engineered wood products used in the building must meet the relevant limits specified in Table 13.2B as per the specified test protocol, or have product specific evidence that it contains no formaldehyde

Credit 20.2 Timber: Timber and timber products sourced from certified forests must be accompanied by a relevant Chain of Custody (CoC) in order to be recognised as certified timber. Currently, FSC International and PEFC-accredited forest certification schemes are recognised as compliant within this criterion.

Credit 21 Sustainable Materials:

Products that hold either product specific EPD or industry - wide EPD contribute to project points

Main features of Plytech Green

01

Renewable

Replacing fossil phenol with bio-based lignin – reduction of carbon footprint.

02

Stable Cost Structure

Reduced dependency on fossil raw material bringing in security of supply and stable cost structure.

03

High Performance

Superior mechanical properties – elasticity, bonding, bending.

04

Consistent Quality

Consistent utmost product performance.

05

Eco-friendly & Safe

High environmental performance both in manufacture and end use.

06

Traceability

Sustainably managed raw material resource.

07

Bioeconomy

Adding value to forest industry side streams.

08

Innovation & Development

Building the future towards a new sustainable plywood industry.

09

Natural

Use of a wood-based non-toxic raw material.

A new future for adhesives based on

100% bio-based kraft lignin

Produced in European Union

Product development in joint cooperation with the largest kraft lignin producer in the world – Stora Enso.



plytech

Main benefits of Plytech Green

Sustainability

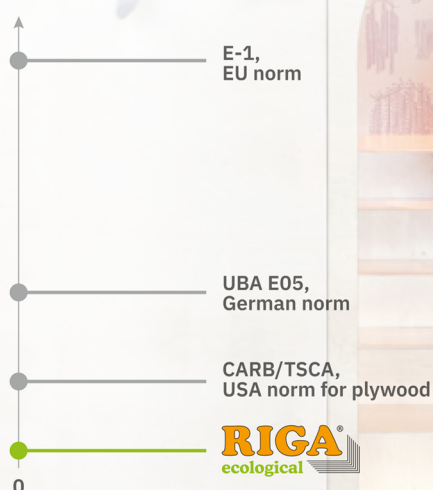
- Eco-friendly substitute to fossil based products
- Meeting Environmental criteria
- Better quality of life in a healthier environment
- Renewable raw material with sustainable origin
- Contributing to LBC & Greenstar targets/Credits

Competitive edge

- Increased profitability –ecological argumentation
- Reduced Carbon Footprint
- Reduced VOC & Formaldehyde emissions
- Stable cost structure
- Green product developments for sustainable living

Reduced formaldehyde emissions

Indicative ratio



Improved environmental performance

Potential environmental impact has decreased by up to

49%

Including Global warming potential environmental impact has fallen by

26%

plytech