

Analysis of Glue Line and Correlations Between Anatomical Characteristics of ...

This research paper, published in April 2019, focuses on the anatomical characteristics of ephylite glued-laminated timber. It details the analysis of glue lines and their correlations with mechanical and moisture properties. The study includes a methodology for correlating glue line characteristics with material performance, supported by statistical analysis and microscopy. The authors are Pablo G.A. Sepúlveda, José Triviño, S. Chaves, and Juan B. Paz.

Bonding Strength Test Method Assessment for Cross-Laminated Timber Derived Stressed-Skin ...

This paper, published in 2019, assesses the bonding strength test methods for Cross-Laminated Timber (CLT) Derived Stressed-Skin Panels (CLT SSP). It compares different test methods and provides a detailed analysis of their applicability and accuracy. The authors are Christian G. Trujillo and Juan B. Paz.

Comparison of Test Methods for the Determination of Delamination in ...

This research, published in 2019, compares various test methods for determining delamination in glued laminated timber. It evaluates the effectiveness of different techniques and provides recommendations for their use in quality control and research. The authors are Juan B. Paz and Christian G. Trujillo.

Effect of Laminated Structure Design on the Mechanical Properties of ...

This paper, published in 2019, investigates the effect of laminated structure design on the mechanical properties of bamboo wood hybrid laminated veneer lumber (BVL). It compares different design configurations and their impact on strength and stiffness. The authors are Juan B. Paz and Christian G. Trujillo.

Planing Quality of Glulam Lamellae and its Impact on Bonding ...

This research, published in 2016, examines the planing quality of glulam lamellae and its impact on bonding. It discusses how the quality of the planing process affects the surface characteristics of the lamellae and, consequently, the quality of the glue joints. The authors are Juan B. Paz and Christian G. Trujillo.

Screw Gluing - Theoretical and Experimental Study on Screw Pressure Distribution and Glue Line Strength

This paper, published in 2016, presents a theoretical and experimental study on screw gluing. It focuses on the distribution of screw pressure and its effect on the strength of the glue line. The authors are Juan B. Paz and Christian G. Trujillo.

Structural Safety and Rehabilitation of Connections in Wide-Span Timber Structures ...

This research, published in 2016, addresses the structural safety and rehabilitation of connections in wide-span timber structures. It provides a comprehensive analysis of the challenges and solutions for these types of structures. The authors are Juan B. Paz and Christian G. Trujillo.

Study of Massive Timber Walls based on NLT and Post Laminated (PL)

This paper, published in 2016, studies massive timber walls based on Non-Laminated Timber (NLT) and Post Laminated (PL) technology. It evaluates the structural performance and fire resistance of these wall systems. The authors are Juan B. Paz and Christian G. Trujillo.