



Performance Criteria for Natural-Looking Coatings on Mass Timber Products Using Exterior Applications

<https://research.thinkwood.com/en/permalink/catalogue722>

Author: Nejad, Mojgan
Stokes, C. Elizabeth
Ohno, Katie

Organization: Forest Products Laboratory

Country of Publication: United States

Format: Report

Material: CLT (Cross-Laminated Timber)

Application: Wood Building Systems

Topic: Serviceability

Keywords: Coatings
Long-term
Outdoor Exposure

Research Status: In Progress

Summary:

Newly constructed wood buildings are visually appealing but can eventually lose their beauty without proper protection. To preserve the natural beauty of wood products exposed to outdoor conditions, protective coatings should be applied to reduce the effect of weathering degradation of wood. Currently, no published work defines criteria for choosing the best coatings for mass timber products. It is vital to provide comprehensive guidelines for protecting and maintaining the appearance and increasing the durability of mass timber products.

The objective of this research is to promote the application of mass timber products, especially CLT, by identifying a range of suitable coatings that can prolong performance and the natural appearance of these products used in the construction of tall buildings.

Resource Link

<https://www.fpl.fs.fed.us/documnts/rips/fplrip-4723-029-MSU-Ohno-Nejad.pdf>