Moso North America, Inc.
PO Box 793
Worcester, PA 19490
T: 1-855-343-8444
info@moso-bamboo.com

MOSO® Bamboo Thermo®

Fire Performance and CWRC (Colorado Wildfire Resiliency Code) Applications

MOSO® Bamboo Thermo® has demonstrated fire performance characteristics that support specification in wildfire-resilient construction projects subject to the Colorado Wildfire Resiliency Code (CWRC).

Tested Fire Performance

Standard	Result
ASTM E84	Class A, FSI 15
ASTM E2768	Pass
ASTM E2768 Maximum Flame Front	9.7 ft
CSFM 12-7A	Class B
ASTM E108	Tested roof assembly performance where applicable

Why This Matters

CWRC emphasizes the use of exterior materials that resist ignition and limit flame spread during prolonged fire exposure.

MOSO® Bamboo Thermo® has demonstrated:

- Class A flame spread performance under ASTM E84
- Successful extended-duration fire performance under ASTM E2768
- Resistance to sustained flame propagation, with a maximum flame front of only 9.7 ft during ASTM E2768 testing
- Stable char-forming behavior resulting from its high-density bamboo fiber construction and thermosetting phenolic resin technology

CWRC Zone 1 and Zone 2 Applications

Based on its demonstrated fire performance, MOSO® Bamboo Thermo® may be incorporated into CWRC-compliant exterior building assemblies for applications including:

- Decking
- Exterior cladding
- Rainscreen systems
- Soffits
- Architectural screening
- Exterior façade features

The product's combination of ASTM E84 Class A performance and ASTM E2768 compliance supports its use in projects located within both CWRC Zone 1 and Zone 2 Wildland-Urban Interface (WUI) designations when installed as part of a code-compliant assembly.

Material Advantage

MOSO® Bamboo Thermo® achieves its fire performance through material engineering rather than surface-applied flame retardants. Manufactured at approximately 73 lb/ft^3 (1170 kg/m^3), the product's high density and thermoset phenolic binder promote thermal stability, delayed heat penetration, and formation of a protective insulating char layer under fire exposure.

Important Note

CWRC compliance is determined by the complete building assembly and project-specific conditions. Final approval remains subject to the Authority Having Jurisdiction (AHJ) and applicable local amendments.

For technical documentation, test reports, and project-specific support, contact MOSO North America.