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

MOSO® Bamboo Thermo®

Fire Performance for California WUI Construction and IWUIC Applications

Issued: July 27, 2026

MOSO® Bamboo Thermo® has demonstrated fire performance characteristics that support specification in wildfire-resilient construction for exterior cladding, siding, decking, rainscreen systems, soffits, architectural screening, and rooftop deck applications. Through nationally recognized fire testing and California State Fire Marshal (CSFM) listings, MOSO® Bamboo Thermo® provides architects and designers with a high-performance natural material suitable for projects designed in accordance with California Wildland-Urban Interface (WUI) requirements and the performance objectives of the International Wildland-Urban Interface Code (IWUIC).

Fire Performance Summary

Standard	Result
ASTM E84	Class A – Flame Spread Index (FSI) 15
ASTM E2768	Pass, Max flame front 9.7ft
California SFM 12-7A	Class B
ASTM E108	Tested roof assembly performance for rooftop deck applications

California State Fire Marshal Listings

MOSO® Thermo® Decking – CSFM Building Materials Listing 8110-2278:0503

MOSO® Thermo® Siding – CSFM Building Materials Listing 8140-2278:0504

Alignment with IWUIC and California WUI Requirements

The IWUIC and California WUI construction provisions emphasize exterior materials that resist ignition, limit flame spread and maintain performance during prolonged wildfire exposure.

- ASTM E84 Class A surface burning characteristics (FSI 15)
- Successful ASTM E2768 extended-duration flame spread performance
- California SFM 12-7A Class B wildfire exposure performance
- ASTM E108 roof assembly fire performance supporting rooftop deck applications

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

- High-density construction (approximately 73 lb/ft³ (1170 kg/m³)) utilizing thermosetting phenolic resin technology that promotes delayed heat penetration and formation of a stable insulating char layer during fire exposure

These characteristics support specification of MOSO® Bamboo Thermo® as part of compliant exterior wall, siding, decking, and rooftop deck assemblies in jurisdictions utilizing California WUI provisions or the International Wildland-Urban Interface Code (IWUIC), subject to project-specific design and approval by the Authority Having Jurisdiction (AHJ).

Applications

- Exterior siding and cladding
- Rainscreen façade systems
- Exterior decking
- Rooftop decks
- Soffits
- Architectural screening and façade elements

Important Code Considerations

Compliance with California WUI requirements and the IWUIC is determined by the complete building assembly, not an individual product alone. Final acceptance is subject to project-specific design, manufacturer installation requirements, and approval by the applicable Authority Having Jurisdiction.

MOSO® Bamboo Thermo® provides a unique combination of natural aesthetics, exceptional durability, and independently verified fire performance, allowing architects to specify a renewable bamboo material without compromising wildfire-resilient design objectives.

Prepared by:

Ryan Adamson

Director of Operations

MOSO North America, Inc.