

Ayous treated with SaferWood Thermex-FR, Southern California. Shown with a factory coating. The fire classification applies to uncoated boards.

ThermoCraft™

Bringing Wood Science to Wood People

FIRE-RETARDANT-TREATED WOOD

ThermoSafeFR

ThermoCraft™ Ayous and ThermoCraft Nordic Pine, treated with SaferWood Thermex-FR by Chemco, Inc.

TREATED WITH

SaferWood
Thermex-FR

How it is tested

Weathered first: ASTM D2898 wetting and drying cycles.

Tunnel test for 30 minutes: ASTM E84 extended (ASTM E2768).

Class A per ASTM E84: flame spread under 25, smoke under 450, flame front within 10.5 ft (QAI Listing B1152-1).

Working with it

- Milled to profile before treatment.
- No ripping or milling after treatment. Cross-cut and drill as needed.
- Stainless steel fasteners, A2 (AISI 304) minimum.
- Install uncoated. The fire classification is for uncoated boards.
- Keep the label on each piece for the inspector.
- Not for structural use, ground contact or standing water.

Uses: Cladding and siding, interior walls; soffits and ceilings where the authority having jurisdiction accepts them.

Ask our team for the ThermoSafeFR submittal package.

+1 (778) 646-2810 | info@thermocraft.com
www.thermocraft.com

Class A
per ASTM E84, 30-minute test

D2898
Tested after weathering

Non-structural
Interior and exterior

QAI listed
Listing B1152-1, CERus-1031

FR SPECS

UNITED STATES

ITEM	RESULT	SOURCE
Surface burning	Class A per ASTM E84: flame spread index under 25, smoke-developed index under 450, ASTM E84 extended to 30 minutes (ASTM E2768), after ASTM D2898 weathering	QAI Listing B1152-1, Table 2
Flame front	No more than 10.5 ft past the burners; no significant progressive combustion	QAI CERus-1031
Fire-retardant-treated wood	Evaluated as complying with IBC 2303.2 and IRC R802.1.5	QAI CERus-1031
Ignition-resistant material	2025 California WUI Code 503.2.2 and 504A; IWUIC 503.2, item 3	QAI CERus-1031
Labels	Chemco's label with the QAI listing mark on each piece (IBC 2303.2.5)	QAI CERus-1031
Use	Non-structural, interior and exterior; not for ground contact or standing water	QAI CERus-1031

CANADA

Surface burning	CAN/ULC-S102 after ASTM D2898: flame spread rating under 25, smoke developed classification under 100.	QAI Listing B1152-1, Table 1, citing NBC 2020 3.1.4.5(b) and 3.1.4.8(3)
Use	Non-structural	QAI Listing B1152-1

QAI CERus-1031 is a US code evaluation. Canadian values come from QAI Listing B1152-1 (CAN/ULC-S102). No Canadian code evaluation (CCMC) is on file.

Fire-retardant-treated wood carries a surface-burning classification. It is not a fire-resistance-rated assembly and has no hourly rating. Fire performance applies to ThermoSafeFR Ayous and Nordic Pine as treated by Chemco, Inc. and labelled under QAI CERus-1031 and QAI Listing B1152-1, installed uncoated, unripped and in non-structural uses. Some stains, paints and coatings reduce fire performance; Chemco endorses no coating. Project acceptance rests with the authority having jurisdiction. Sources: QAI Listing B1152-1, Edition 3 (March 9, 2026) and QAI Code Evaluation Report CERus-1031, rev. March 2026 (report holder: Chemco, Inc.), at qai.org; the listing names the boards "Thermally Modified Ayous" and "Thermally Modified Nordic (Scots) Pine". Treated with SaferWood™ Thermex-FR™ by Chemco, Inc. SaferWood and Thermex-FR are trademarks of their respective owners.