



A WILDFIRE PRO SHOP COMPANY

FIREPROSHOP
889 TAHOE BLVD., UNIT A
INCLINE VILLAGE, NV 89451
909-519-5470
FIREPROSHOP.COM



SPEC SHEET • CSI 06 05 73 • 06 11 00 • 06 17 00

Class A fire-retardant lumber, code-evaluated.

IDENTIFICATION

Product	MFB-34 CitroTech® Treated Wood Products
Wood product covered	Douglas Fir (DF) lumber, No. 2 structural quality
Report	DrJ TER 2504-101
Issued / revised	Oct. 31, 2025 • rev. March 16, 2026 • renewal Jan. 1, 2027
Evaluating agency	DrJ Engineering, LLC – ANAB ISO/IEC 17065 accredited, #1131
Report holder	Mighty Fire Breaker®, LLC
Flame spread index	≤ 25 • ASTM E84 extended / E2768
Smoke developed index	≤ 450
Min. application rate	0.16 oz. per sq. ft.
AWPA use categories	UC1 • UC2 • UCFA
Codes referenced	IBC, IRC and IECC – 2018, 2021 and 2024



MFB-34 • 5 GAL.

What this report does not say

It evaluates surface burning characteristics and structural design values for treated Douglas Fir under the conditions of use it defines. It is not a fire-resistance rating for an assembly, it makes no claim about wildfire performance, and it represents nothing about insurance. Where the product is a structural or envelope component, the design is to be performed by a registered design professional.

ASTM E84 • CLASS A

DRJ TER 2504-101

AWPA UC1 • UC2 • UCFA

IBC • IRC • IECC

DESIGN VALUES → PAGE 2



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Allowable design values and code path.

ALLOWABLE DESIGN VALUES — TREATED DF 2 × 4

PROPERTY	F_B	F_T	F_V	F_C	$F_{C\perp}$	MOE	EI	I	S
Treated DF 2 × 4	1,550	865	180	1,170	625	580,000	3,108,000	5.4	3.1

Stresses in psi; MOE in psi; EI in lb-in²; I in in⁴; S in in³. Per stud, DF No. 2 studs 92.5" long at a maximum of 24" o.c., in groups of no fewer than three joined by load-distributing elements. Repetitive member factor 1.15 applied per NDS Table 4.3.1; size factor adjustments included and C_F taken as 1.0.

DESIGN NOTES

Strength	Allowable design stresses in dry conditions of use are the same as the wood product before treatment.
Incising	A topical coating, not a pressure treatment. The wood is not incised, so the NDS incising factor (4.3.8) does not apply.
Duration of load	Shall not exceed 1.6, per NDS 2.3.4.
Fasteners	Per ASTM G31 immersion corrosion testing, bright uncoated steel nails are permitted in UC1, UC2 and UCFA under the report's conditions of use.
Substantiating tests	ASTM D143 · D3500 · E84 / E2768 · G31.
Approval path	Building officials are required to accept duly authenticated reports from an approved agency. Written against IBC 104.2.3 (IRC R104.2.2, IFC 104.2.3), the alternative materials provision.



TREATED MEMBERS ARRIVE STAMPED

Supply

NorCal Lumber Company, Inc. produces dimensional lumber, prefabricated wall systems, roof and floor trusses with connector plates in place, OSB sheathing for UCFA interior use, and engineered wood products from a 185-acre site north of Sacramento, primarily for large-scale developers. Turn-key framing and lumber packages ship across the Western United States — NorCal to Los Angeles to Reno.

Send us the framing package.
We will tell you what it takes.

NO COST
TO GET NUMBERS

STEVE CONBOY • 909-519-5470
SALES@FIREPROSHOP.COM
FIREPROSHOP.COM