



THE HEMP ABODE

NATURAL. STRONG. FIRE RESILIENT.

BUILT FOR WILDFIRE RESISTANCE

HEMP WALL SYSTEMS ENGINEERED FOR RESILIENT, LONG-LASTING PROTECTION.

Our mineral-based, hemp composite wall systems are designed to resist ignition, slow flame spread, and protect what matters most—your home, your family, and your community.

MINERAL/SILICATE FINISH COAT



- ✓ Non-combustible mineral finish
- ✓ Resists flame impingement
- ✓ Naturally inorganic & non-toxic
- ✓ Class A Fire Rating

ASTM FIRE PERFORMANCE DATA

ASTM E84 Surface Burning	Class A Flame Spread: 0 Smoke Developed: 0
ASTM E119 Fire Resistance (Assembly Dependent)	1-Hour Rating*

HEMP COMPOSITE PANELS



- ✓ Hemp shiv + binder (formaldehyde-free)
- ✓ Resists ignition & flame spread
- ✓ Dimensional stability
- ✓ Excellent fastener holding
- ✓ Naturally non-toxic
- ✓ Class A Fire Rating

ASTM FIRE PERFORMANCE DATA

ASTM E84 Surface Burning	Class A Flame Spread: 0 Smoke Developed: 5
ASTM E119 Fire Resistance	1-Hour Rating*

SEMI-RIGID HEMP INSULATION PANELS



- ✓ Hemp + lime binder
- ✓ Resists ignition & heat transfer
- ✓ Dimensional stability
- ✓ Naturally non-toxic
- ✓ Class A Fire Rating

ASTM FIRE PERFORMANCE DATA

ASTM E84 Surface Burning	Class A Flame Spread: 5 Smoke Developed: 10
ASTM E119 Fire Resistance	1-Hour Rating*

HEMPWOOL® INSULATION



- ✓ Hemp-lime natural fiber
- ✓ Fire resistant & self-extinguishing
- ✓ Resists ignition & flame spread
- ✓ Naturally non-toxic
- ✓ Class A Fire Rating

ASTM FIRE PERFORMANCE DATA

ASTM E84 Surface Burning	Class A Flame Spread: 0 Smoke Developed: 5
ASTM E119 Fire Resistance	1-Hour Rating*

*1-Hour Rating based on tested assembly per ASTM E119. Actual assemblies may achieve higher ratings.



WILDFIRE RESILIENCE BY DESIGN

Our wall systems are engineered with mineral-based protection and dense, multi-layered assemblies to reduce ignition potential and enhance long-term protection in wildfire-prone environments.



RESISTS DIRECT FLAME IMPINGEMENT



REDUCES EMBER IGNITION RISK



LIMITS FLAME PROPAGATION



BREATHABLE ASSEMBLY



DURABLE MINERAL PROTECTION



DEVELOPED FOR WUI COMPLIANCE

Our hemp wall systems are designed in alignment with the principles of the National Fire Protection Association (NFPA) 1144 Standard for Reducing Structure Ignition Hazards from Wildland Fire and other WUI (Wildland-Urban Interface) best practices.

BUILT FOR WUI ZONE PERFORMANCE

- ✓ Non-combustible exterior finish
- ✓ Class A fire-rated components
- ✓ Dense, multi-layered assemblies
- ✓ Minimizes ember penetration
- ✓ Reduces flame exposure duration
- ✓ Detailed joints & transitions
- ✓ Supports defensible space strategies
- ✓ Helps meet local WUI code requirements
- ✓ Engineered for long-term resilience

Always check with your local building department for specific WUI construction requirements.



FIRE RATING COMPLIANCE WITH CALIFORNIA BUILDING CODE

Our wall systems are designed to comply with the fire safety requirements of the California Building Code (CBC), including:

CBC CHAPTER 7A
MATERIALS & CONSTRUCTION
METHODS FOR EXTERIOR WILDFIRE
EXPOSURE

CBC CHAPTER 14
EXTERIOR WALLS

MINERAL PLASTER FINISH COMPLIANCE

Our mineral/silicate finishes comply with CBC Section 2510.7 for plaster and stucco and are non-combustible per ASTM E84 (Class A).

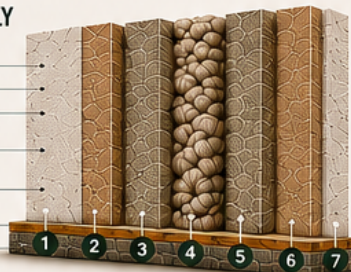
CBC CHAPTER 7
FIRE RESISTANCE RATED
CONSTRUCTION

Our assemblies achieve Class A fire ratings and 1-hour fire resistance ratings per ASTM E119, supporting compliance with CBC requirements for WUI and fire-resistive construction.

HEMP WALL PANEL ASSEMBLY

(Outside → Inside)

- 1 Mineral/Silicate Finish
- 2 Hemp Composite Panel
- 3 2" Semi-Rigid Hemp Insulation
- 4 3.5" HempWool® Insulation
- 5 1" Semi-Rigid Hemp Insulation
- 6 Hemp Composite Panel
- 7 Interior Mineral Finish



WHY THIS MATTERS

- Slows flame spread
- Resists ember intrusion
- Improves building envelope durability
- Supports healthy indoor air quality
- Renewable, low-carbon materials
- Long-term resilience

THE KEY IS DESIGN + DETAIL

- ✓ Mineral exterior protection
- ✓ Dense multi-layer assembly
- ✓ Protected joints and transitions
- ✓ Reduced oxygen availability
- ✓ Breathable wall system



THE HEMP ABODE
NATURAL. STRONG. FIRE RESILIENT.

We build high-performance, low-toxicity homes that work in harmony with nature—supporting your health and the planet for generations.

thehempabode.com

NATURAL MATERIALS.
RESILIENT BUILDINGS.
STRONGER FUTURE.

