

# Fire & Material Performance

CSI Division 09 — Finishes | Commercial Preserved Moss Wall Systems

Austin Moss Creations designs, fabricates, and installs preserved moss wall systems for commercial interiors. Systems are assembled from fire-tested component materials with available documentation under the standards shown. Component test documentation is provided for project submittals upon request.

## COMPONENT MATERIAL PERFORMANCE

System layer	Standard	Classification
Preserved moss — fire-rated lines	EN 13501-1:2019 (UNE-EN 13501-1)	B-s1,d0 Very limited contribution to fire Low smoke production No flaming droplets or particles Tested by an accredited third-party laboratory
Acoustic backing layer (PET felt)	ASTM E84 / UL 723	Class A Flame Spread Index (FSI): 0–25 Smoke Developed Index (SDI): 0–450
Structural backing panel (FRT plywood)	ASTM E84 / UL 723 (extended 30-min)	Class A Flame Spread Index (FSI): ≤25 Fire-retardant-treated UL Classified

## REQUESTING DOCUMENTATION

Component fire test documentation is provided for all project submittals at no charge. Documentation typically provided within 2 business days of request.

- Contact: [info@austinmosscreations.com](mailto:info@austinmosscreations.com) | 737.373.2803
- Provide: Project name, AHJ jurisdiction, and which component documentation is required.

## SYSTEM HIGHLIGHTS

Feature	Detail
Fire-rated preserved moss	EN 13501-1 B-s1,d0 classification available on fire-rated preserved moss lines. Testing performed by an accredited third-party laboratory.
PET acoustic felt layer	ASTM E84 Class A. FSI: 0–25; SDI: 0–450. NRC 0.85 at 3/8 in.; NRC 0.90 at 3/4 in. (ASTM C423). NRC value at 1/2 in. is 0.95.
FRT structural backing	ASTM E84 / UL 723 Class A. UL Classified. Fire-retardant-treated plywood. FSI ≤25 under extended 30-minute test.
Assembly testing	Full-assembly ASTM E84 testing may be commissioned where required by the project or Authority Having Jurisdiction.
Maintenance	No irrigation, no artificial lighting, no horticultural upkeep during operation.

Applications	Hospitality, workplace, healthcare, retail, and luxury residential interiors.
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## **SPECIFICATION & DOCUMENTATION AVAILABLE**

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CSI 3-part guide specification (Section 09 9313) is available to specifiers. The following documentation is available for project submittals upon request:

- EN 13501-1 B-s1,d0 classification documentation for fire-rated preserved moss lines, tested by an accredited third-party laboratory. Available upon request.
- ASTM E84 Class A test documentation for the acoustic felt layer (PET). FSI: 0–25; SDI: 0–450. Available upon request.
- ASTM E84 / UL 723 Class A documentation and UL Classification for FRT structural backing panel. Available upon request.
- Full-assembly ASTM E84 report available where commissioned per project or AHJ requirement.

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*Performance note: Classifications reflect available test documentation for individual component materials under the standards noted. ASTM E84 / UL 723 applies to North American projects; EN 13501-1 is the European standard. NRC values apply to the PET acoustic felt layer, not the assembled moss wall system. Final fire performance of any installed assembly depends on configuration and project-specific conditions. Assembly testing may be commissioned where required by the Authority Having Jurisdiction. Component documentation provided upon request.*