



Air Purifying, Fire Retardant Faux Greenery Panels

Technical Distribution Sheet

Product Snapshot

Interior/exterior modular faux greenery panels with integrated air purification and fire-retardant properties.

Construction: UV-resistant FR polyethylene foliage; 8-gauge stainless steel 2" square mesh; stainless ties; 31.5" (800 mm) square modules.

Air Active Hydroxyl Performance-activated hydroxyl (OH) layer bonds covalently to foliage surfaces and reacts with airborne pollutants.

Demonstrated reduction of VOCs (e.g., formaldehyde, toluene, acetone, carbon monoxide).

Operates continuously under ambient conditions; non-toxic application; field-applicable; allow up to 48 hours for full activation.

Standard	Test Focus	Pass Criteria / Benchmarks
ASTM E84 (Steiner Tunnel)	Surface burning characteristics	Class A: FSI 0–25 and SDI ≤ 450 (Class B: 26–75; Class C: 76–200)
NFPA 701 (Textiles/Films)	Flame propagation in flexible materials	After-flame ≤ 2 s; Char length < 6.5"; No flaming debris; Avg. weight loss ≤ 40% (10 specimens, Test Method 1)
NFPA 286 (Room Corner)	Contribution of wall/ceiling finishes to room fire growth	No flashover; No flame spread to ceiling at 40 kW; No flame to outer extremities; Peak HRR ≤ 800 kW; Total smoke ≤ 1,000 m ²