

CLEAN. KILL. COAT.®

THE SYSTEM FOR SUCCESS

The professional process for fire restoration



Every fire has unique challenges, yet it is important to begin all fire remediation rapidly in order to preserve property and restore structure. Damage from combustion residues can compound, but with environmental controls and targeted treatments, deterioration can be arrested and corrected efficiently. The products professionals need include those used in cleaning, deodorizing, finishing with a sealer, and preventing future damage. Fiberlock and Benefect provide the most complete and effective chemistry in every fire/smoke category. To restore a building to healthy occupancy, decrease costs and increase owner satisfaction - professional remediators choose Clean. Kill. Coat. and Prevent. from Fiberlock, Benefect, and Fireshell.

CLEAN.



Demolition, Surface & Contents Cleaning

Removal of combustion particulate is the most important restoration task and every fire job is unique. Atomic attacks fire and soot residues without any synthetic ingredients. Evergreen A-44 is ideal for ultrasonic cleaning of fire & soot damaged items.

KILL.



Neutralize Fire Odor & Disinfect Microbials

The use of a registered antimicrobial product (Botanical Decon 30) stops bacteria and mold that grow from moisture introduced from fire suppression. RECON Extreme Duty Odor Counteractant can be sprayed, fogged, wet wiped to neutralize airborne and surface odor emitting particulate.

COAT.



Deodorization / Odor Management

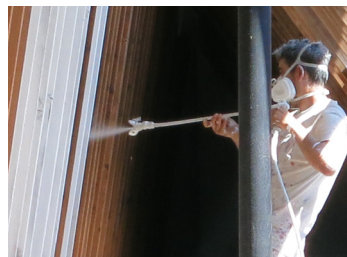
ULTRA RECON & RECON original are the first water-based restoration coatings that absorb & seal fire odor; and uniquely, these are true smart membranes that allow water vapor permeability but prevent smoke odor. Prime surfaces with low VOCs, negligible odor, easy cleanup, and no ignitable vapors. Ideal for spaces and HVAC after structure fire, wildfire, and chronic soot infiltration.

PREVENT.



Fire protection and prevention

FireShell® thermal, ignition and non-flammable coatings are water-based, single-component, non-flammable or intumescent coatings that can expand in the event of a fire to provide a protective layer of char that starves the fire of oxygen and helps prevent flame contact with the FireShell protected surfaces.



CLEAN.

KILL.

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PREVENT.

CHARACTERISTICS



Product	Evergreen A-44 Cleaner	Atomic Degreaser
Description	Cleaner/degreaser for use in ultrasonic cleaning systems	Botanical Solvent-Free Cleaner & Degreaser
Color	Clear	Clear
Scent	None	None
Dilution Ratio / Ready-To-Use	2.5-5 oz/Gallon	2 oz / Gallon up to full strength
Active Ingredient	Bio-based Surfactants	Bio-based Surfactants
Water Based	●	●
Botanical	●	●
ECO Logo Certified	○	● **
Biodegradability	●	●
PPE Not Required*	○	●
No Residue	●	●

Product	Decon 30 Disinfectant	RECON Extreme Duty Odor Counteractant
Description	Botanical, Category IV, EPA & HC Registered	Odor Counteractant Concentrate
Color	Clear	Clear
Scent	Light Lemon & Thyme	Fresh-Floral
Dilution Ratio / Ready-To-Use	RTU	2 oz / Gallon or 16mL / Liter up to full strength
Active Ingredient	Botanical Essential Oils	Metazene
Water Based	●	●
Botanical	●	○
ECO Logo Certified	●	○
Biodegradability	●	●
No Synthetic Ingredients	●	○
PPE Not Required*	●	○

Product	Recon Ultra Smoke Odor Sealer	Recon Smoke Odor Sealer
Description	Odor, Stain and Smoke Sealer	Odor, Stain and Smoke Sealer
Color	White, Clear & Woodtone	White/Clear
Sheen	Matte	Gloss
Tintable	3092:2oz/-Gallon	3090:2oz/-Gallon
Class "A" Fire Rating	Yes	Yes
Water Based	●	●
VOC (g/l)	49-69	68/60
Coverage (ft2/gal)	100-500 based on porosity	100-300 based on porosity
Structural Surfaces	●	●
HVAC	○	●

Product	Fireshell F10E
Description	Single-component, non-flammable, intumescent, interior coating
Color	White, Gray & Black
Packaging	5 gal & 55 Gal
Tintable	Yes
Viscosity	110-140 KU
Water Based	Yes
VOC (g/l)	<50
Coverage (ft2/gal)	80-92
Non-toxic	Yes
Class "A" Fire Rating	Yes

PERFORMANCE

Foamable Application	✓✓	✓✓
For Organic Material (biofilms)	✓✓	✓
Ideal for Oily Material	✓✓	✓
Stain Removal		
Post Cleaning Rinse Not Required		✓✓
Char Removal		✓
pH Level	11.0 +/- 0.5	9.0

Foamable Application	✓	✓
Disinfectant (Non Porous)	✓	
Sanitizer (Porous Material)	✓✓	
No Rinsing	✓✓	✓
Kills Mold (Fungicidal)	✓	
Air Deodorizer		✓✓
pH Level	4.0	7.0

Blocking Odor	✓✓	✓
Perm. Rate ASTM Methods	7.6	19.3/12.8
Blocking Stains	✓✓	✓
Primes for Finish Coats	✓✓	✓
Fire Testing ASTM E84 Class "A"	✓	✓
HVAC/IBC NFPA 90A/90B		✓

Ambient Temp Range	50 - 95 °F
Perm. Rate ASTM E96	<1.0 perm (Class 3) at 13 mils DFT
Smoke Development	<50
Flame Spread	<25
Mold & fungus resistance	10 - no mold growth
Sag resistance	34 mils on walls; 24 mils on ceilings
Shelf life	1 year

APPLICATIONS

Structural/Acidic Residues	✓✓	✓✓
Subfloor/Urine		✓✓
Protein/Cooking	✓	✓✓
Boardup		✓✓
Spray Foam & Fireproofing		✓
HVAC & Coil Cleaning	✓	✓✓
Wildfire/Alkaline Residues		✓✓

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Walls	✓
Attics	✓
Crawl spaces	✓
FRP panel systems	✓
Open cell SPF insulations	✓
Closed cell SPF insulation	✓

* Product does not require PPE. Necessity determined by contaminants or microbes

** UL EcoLogo Certified UL2759

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Mold resistant/fungicidal coatings available for structural & HVAC microbial prevention. Intumescent coatings & replacement foam available for restoring spray foam insulation

Can be top coated with latex paint per ESR 3997 approvals. Consult your Fireshell representative for details.