



24-7 ZERO HVAC MOLD & MILDEW RESISTANT COATING

SENTINEL 24-7 ZERO HVAC MOLD & MILDEW RESISTANT COATING is a specialized coating designed to be applied within HVAC systems, on HVAC insulation and primed or galvanized metal. Sentinel 24-7 ZERO HVAC is thickened, flexible, and will bridge and reinforce duct liner and duct board insulation materials. It will seal HVAC surfaces from odors caused by fire, smoke, mold & mildew. This coating is low VOC, is free of Hazardous Air Pollutants (H.A.P.'s) and is low odor. Sentinel 24-7 ZERO HVAC with antimicrobial product protection is designed to inhibit the growth of stain and odor causing mold, mildew and other microorganisms on the cured coating surface. HVAC systems treated with 24-7 ZERO HVAC will have increased air flow while minimizing dirt buildup.



Material Preparation

Separation in paints and coatings is normal. Thoroughly stir and mix coating to achieve an even consistency for spraying, rolling or brushing. Product must NOT be reduced with water or solvents. **This product must not be allowed to freeze. Apply in temperatures above 50°F.**

Surface Preparation

Interior airducts should be lightly vacuumed and cleaned. All surfaces must be clean, dry and free of loose paint, mold, dust, and miscellaneous debris and particulate. Care should be taken to not tear or loosen duct liner.

Tinting

This product may be tinted with universal colorant systems to pastel colors only. Use no more than 2 ounces of colorant per gallon.

Primers

On metal, use a suitable rust inhibiting primer.

Product Application

24-7 ZERO HVAC should be applied at temperatures above 50°F and with a relative humidity level that is below 50%. To assure proper antimicrobial protection, it is vitally important that all surfaces be completely coated with 24-7 ZERO HVAC.

For airless applications, use a .021 - .025 tip, a minimum 2500 P.S.I. and maintain a fan size of approximately 12 inches.

When using a roller use a 3/8" nap roller and when brushing, use strokes 90° to each other.

Dry Time

This product will be dry to the touch in 1-2 hours and may be recoated in 2 - 4 hours dependent on humidity levels.

Coverage

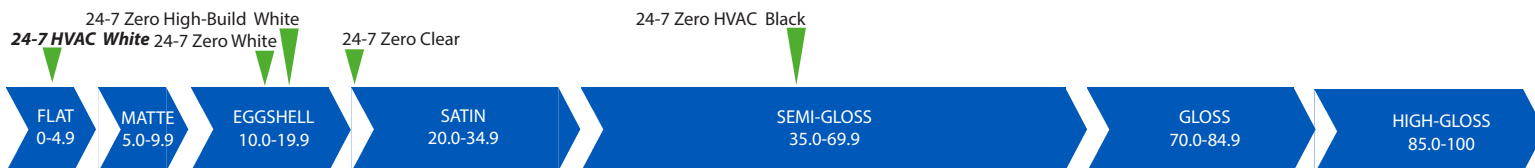
Smooth Surfaces: 100 - 200 Sq. Ft./Gal
Porous Surfaces: 80 - 100 Sq. Ft./Gal

Limitations

This product does NOT protect users or others against foodborne or disease causing bacteria. This product is not designed to be used in areas with temperatures less than 50°F, excessive heat, corrosive chemical environments, or on exterior siding or horizontal floor and deck areas.

Warranty

Sentinel 24-7 ZERO HVAC has a 10 year limited warranty against the visible growth of mold and mildew on the cured coating surface.



FORMULA **24-7** ZERO HVAC MOLD & MILDEW RESISTANT COATING



TEST DATA

Sentinel 24-7 ZERO HVAC Mold & Mildew Resistant Coating Surface Burning Characteristics (ASTM E 84):

Flame Spread Index: 10 (Class A rating)
Smoke Developed Index: 0 (Class A rating)

The **ASTM E 84** was performed by a Nationally Recognized Testing Laboratory (NRTL). This test is parallel to the **UL 723** test. The product was applied on inorganic reinforced cement board. The flame spread may vary when applied over other surfaces.

Sentinel 24-7 ZERO HVAC Mold & Mildew Resistant Coating meets **NFPA 90A** and **90B 25/50** requirements.

Sentinel 24-7 ZERO HVAC Mold & Mildew Resistant Coating has successfully passed the **ASTM D5590** test, determining the resistance of paint films and related coatings to fungal defacement and the **ASTM G21** test which is the standard practice for determining resistance of synthetic polymeric materials to fungi from a Nationally Recognized Testing Laboratory (NRTL).

Sentinel 24-7 ZERO HVAC Mold & Mildew Resistant Coating contains an EPA registered component which is the active ingredient that supports the mold & mildew resistant properties of this coating.

Sentinel 24-7 ZERO HVAC Mold & Mildew Resistant Coating meets **LEED** requirements for **IEQ Credit 4.2** low emission materials, paints and coatings.

Sentinel 24-7 ZERO HVAC Mold & Mildew Resistant Coating meets the **21CFR 189 Substance Prohibited for use in Human Food** Requirements.

Sentinel 24-7 ZERO HVAC Mold & Mildew Resistant Coating is formulated to be applied over most building materials, metals, and plastics. Sentinel 24-7 ZERO HVAC has been tested for CPVC fixture compatibility by Spears Manufacturing. Contact Spears at 800-862-1499 for compatibility information.

SPECIFICATIONS

Physical State:	Liquid
Appearance:	Opaque
Color:	White
Odor:	Low
pH:	8.25 - 9.0
Flash Point:	>199.4°F
V.O.C. Content:	<5 g/L (calc.)*
Viscosity:	120 - 130 KU
% Solids by Weight:	54.79%
% Solids by Volume:	40.91%
Density:	10.9 pounds/gallon
Gloss:	3.5 (Flat)
Shelf Life:	24 Months
Coverage Rate:	Smooth Surfaces: 100 - 200 sq. ft./gal Porous Surfaces: 80 - 100 sq. ft./gal
Dry Time:	Dry to Touch: 1 - 2 hrs @70 - 77°F, 50% RH Recoat: 2 - 4 hrs @70 - 77°F, 50% RH

