



PRODUCT SPEC SHEET

24-7 ZERO HVAC

FORMULA

24-7 ZERO HVAC

HVAC MOLD & MILDEW RESISTANT COATING

Sentinel 24-7 Zero HVAC is a flexible, durable, flame resistant coating free of Volatile Organic Compounds (V.O.Cs) and Hazardous Air Pollutants (H.A.Ps). Sentinel 24-7 Zero HVAC contains an EPA registered antimicrobial component that inhibits the growth of mold & mildew on the coating surface. Sentinel 24-7 Zero HVAC will bridge and reinforce duct liner, duct board insulation and will seal HVAC surfaces from stains and odors caused by contaminants such as smoke, mold & mildew.

TEST DATA

Sentinel 24-7 Zero HVAC Surface Burning Characteristics (ASTM E 84):

Flame Spread Index: 0 (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 at a coverage rate of 80 sq. ft. per gallon on inorganic reinforced cement board. The flame spread may vary when applied over other surfaces.

Sentinel 24-7 Zero HVAC meets **NFPA 90A** and **90B 25/50** requirements.

Sentinel 24-7 Zero HVAC is a mold & mildew resistant coating designed to be used in HVAC systems. Sentinel 24-7 Zero HVAC 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 contains Zinc Omadine which is the active ingredient that supports the mold & mildew resistant properties of this coating. Zinc Omadine's EPA registration # 1258-1235.

Sentinel 24-7 Zero HVAC meets **LEED** requirements for **EQ Credit 4.2** low emission materials, paints and coatings.

Sentinel 24-7 Zero HVAC meets the **21CFR 189 Substance Prohibited for use in Human Food** requirements.

Sentinel 24-7 Zero HVAC has a minimum pencil hardness of **2H** when tested in accordance to the **ASTM D 3363** test.

Sentinel 24-7 Zero HVAC is formulated with a flash rust inhibitor and was successfully tested for adhesion with mild steel, galvanized steel and aluminum.

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DIRECTIONS FOR USE: Read SDS prior to using product

Material Preparation: Stir product to achieve an even consistency for spraying, brushing or rolling. Do not reduce product with water or other solvents. Store and apply product above 50° F. and do NOT allow the product to freeze.

Surface Preparation: All surfaces must be clean, dry and free of loose paint, mold, dust and miscellaneous loose debris & particulate. Care should be taken not to loosen or tear the duct liner membrane.

Product Application: 24-7 Zero HVAC should be applied at temperatures above 50° F. and with a relative humidity level that is less than 50%. The product is best applied with an airless sprayer with a minimum of 2500 P.S.I. and a 0.019-0.025 fluid tip. When using a roller use a 3/8" nap roller and when brushing, use strokes 90° to each other. Drying times will vary with temperature and relative humidity. If a second coat is necessary, reapply in 4-8 hours.

Clean-up: Clean tools and spills with warm soapy water. For information on removing the cured product contact Sentinel.

Limitations: This product does not protect users or others against food or air borne disease causing microorganisms, temperatures less than 50° F., excessive heat, corrosive chemical environments, on exterior siding or horizontal floor and deck areas.

SPECIFICATIONS:

Appearance:	White/Black
Odor:	Low
V.O.C. Content:	<5 g/L (calc.)
pH:	8.0 - 9.0
Density:	White: 9.5 lbs. per gallon Black: 8.4 lbs. per gallon
Gloss:	White: 50-55 (semi-gloss) Black: 45-50 (semi-gloss)
Shelf Life:	36 months from date of manufacture
Coverage Rates:	Smooth Surfaces: 100 - 200 sq. ft. per gallon Porous Surfaces: 80 - 100 sq. ft. per gallon
Drying Times:	Touch: 1-2 hours @70-77° F, 50% R.H. Recoat:2-4 hours @ 70-77° F, 50% R.H.
Minimum Application Temperature:	50° F.
Water Vapor Transmission Rate:	(Permeance) <2 perms (dry cup)

