



# PRODUCT SPEC SHEET

## 24-7 ZERO HIGH-BUILD

FORMULA

### 24-7 ZERO HIGH-BUILD

MOLD & MILDEW RESISTANT COATING

**Sentinel 24-7 Zero High-Build Mold & Mildew Resistant Coating** 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 High-Build is designed for porous substrates and other environments where a single thick coating is preferred. Sentinel 24-7 Zero High-Build contains an EPA registered antimicrobial component that inhibits the growth of mold & mildew on the coating surface.

#### TEST DATA

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

Flame Spread Index: 5 (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 High-Build Mold & Mildew Resistant Coating** meets **NFPA 90A** and **90B 25/50** requirements.

**Sentinel 24-7 Zero High-Build 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 High-Build Mold & Mildew Resistant Coating** 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 High-Build Mold & Mildew Resistant Coating** meets **LEED** requirements for **EQ Credit 4.2** low emission materials, paints and coatings.

**Sentinel 24-7 Zero High-Build Mold & Mildew Resistant Coating** meets the **21CFR 189 Substance Prohibited for use in Human Food** requirements.

**Sentinel 24-7 Zero High-Build Mold & Mildew Resistant Coating** has a minimum pencil hardness of **2H** when tested in accordance to the **ASTM D 3363** test.

**Sentinel 24-7 Zero High-Build Mold & Mildew Resistant Coating** is formulated to be able to apply over most building materials, metals, and plastics. Sentinel 24-7 Zero is not recommended for painting over CPVC fixtures.

# 24-7 ZERO HIGH-BUILD



## 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.

**Tinting:** This product may be tinted with up to 4 oz. of colorant/ per gallon.

**Product Application:** 24-7 Zero 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 2-4 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:

<b>Appearance:</b>	White/Clear
<b>Odor:</b>	Low
<b>V.O.C. Content:</b>	<5 g/L (calc.)
<b>pH:</b>	8.0 - 9.0
<b>Density:</b>	White: 10.1 lbs. per gallon Clear: 8.8 lbs. per gallon
<b>Gloss:</b>	White: 15 - 20 (eggshell) Clear: 25 - 30 (satin)
<b>Shelf Life:</b>	36 months from date of manufacture
<b>Coverage Rates:</b>	Smooth Surfaces: 320 - 420 sq. ft. per gallon Porous Surfaces: 100 - 200 sq. ft. per gallon
<b>Drying Times:</b>	Touch: 1-2 hours @70-77° F, 50% R.H. Recoat:2-4 hours @ 70-77° F, 50% R.H.
<b>Minimum Application Temperature:</b>	50° F.



**Water Vapor Transmission Rate:** (Permeance) <3 perms (dry cup)