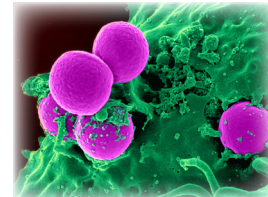


STERIL 101

High Performance Antimicrobial Coating

Technical Data Sheet



Product Description

Steril 101 is a high performance protective coating with excellent antimicrobial properties. Steril 101 has been tested by an independent antimicrobial testing laboratory with results showing excellent resistance to the growth of a wide range of bacteria, viruses, mold and mildew. An example of its effectiveness can be illustrated with test results against 'MRSA' Methicillin Resistant Staphylococcus Aureus in which the elimination percentage was 99.9995% staph elimination.

Steril 101 is a two component aliphatic polymer. It is water based and zero v.o.c. (volatile organic compound) with no odor. It cures to a tough high gloss finish with excellent mar and scratch resistance. Steril 101 is also chemical and acid resistant with excellent non-yellowing properties.

The application method is with a brush, roller or spray and its suggested application rate is approximately 250 to 300 square feet per gallon. Most applications only require one coat. This product will also perform as a excellent anti graffiti coating.

Steril 101 meets and or exceeds the California green building standard codes for regulation title 24, part II and also meets U.S. building council leads criteria under E.Q. 4.2 for low emitting paints and coatings. The antimicrobial active ingredients are FDA approved and EPA listed. Steril 101 is patent pending.

Product Data

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- Solid By Weight
 - 63%
- Solids by Volume
 - 56%
- Volatile Organic Compounds (V.O.C.)
 - 0%
- Application Rate
 - 250 to 300 square feet per gallon
- Dry time to touch
 - 4 ½ to 5 ½ hours
- Pot Life / Working Time
 - 1 ½ hours
- Shelf Life
 - 12 months
- Flash Point
 - Greater than 200 degrees Fahrenheit

Performance Data

fully cured

- Adhesion ASTM D4541
 - 2800 Psi
- Adhesion to aluminum cross hatch test 5 cycles
 - 0 Loss
- Impact resistance ASTM D2794
 - 160 inch per pounds (direct / reverse)
- Flexibility ASTM D522
 - Elongation greater than 30%
- Pencil Hardness ASTM D3363
 - Gouge 4H
- MEK Double Rubs
 - 2000+
- Water Vapor Transmission
 - 2.3 Perms
- Chemical Acid Resistant
 - Excellent
- Antimicrobial Resistance, ISO 22196 test method
 - Eliminates 99.9995% staph in 24 hours
- 24 Hours Immersion in water
 - No effect, Pass