

## VIRACOAT-420AM

### *Antimicrobial Nano Ceramic Clear Coat*

#### **VIRACOAT-420AM Antimicrobial Nano Ceramic Clear Coat**

VIRACOAT-420AM is an antimicrobial formulation that helps to protect treated surfaces from pathogens, bacteria, viruses and other microorganisms from colonizing for extended periods of time or for as long as the coating remains on a treated surface.

VIRACOAT-420AM is a high performance that ambient cures and offers a tough durable protective coating

VIRACOAT-420AM creates a covalent bond to most all substrate surfaces and is an inert (benign) material when cured.

VIRACOAT-420AM works on most all surface types; metal surfaces, plastics surfaces, grab handles and bars, doorknobs, etc.

VIRACOAT-420AM is also available with “Wet-Grip”, though smooth it will offer a more slip resistant grip in wet conditions.

VIRACOAT-420AM has excellent UV and standard protocol cleaner resistance.

#### **VIRACOAT-420AM Properties:**

• Color	Clear
• Viscosity	16-18 sec. #2 Zahn
• Percent of Solids	23
• Odor (liquid)	Slight mint smell
• Odor (cured)	Slight mint smell
• V.O.C.	Exempt per CFR 51.1 / regulation 8
• RoHS	Compliant
• Halogens	None
• Conical Bond (1/8 inch mandrel)	Passed (ASTM D522-93a)
• Cross cut adhesion	5B (ASTM D3359)
• Coefficient of Friction	0.03μ (ASTM D2047)
• Specific Gravity	0.889 (ASTM D891-09)
• Pencil Hardness	8h+ (ASTM D3363)
• Average applied dry film thickness	3 to 10 microns
• Estimated Coverage Rate(@ 3 microns)	3,800 sq./ft. per gallon
• Transfer to surrounding material	Zero (0) transfer of contaminants
• Dry to Touch (time @ambient)	15 – 25 minutes (average)
• Useable surface within	12 hrs.
• Ambient cure (full properties)	5 days

\*EPA Reg. No. 83019-1

#### **VIRACOAT-420AM Application**

- Simple wipe-on using a soft product wetted cloth, foam roller or trigger spray
- followed by a light pressure wipe to leave a uniform thin coating on the surface.
- Allow to dry

The VIRACOAT-420AM's antimicrobial formulation helps to continuously protect coated surfaces from the colonization of the following list of microorganisms, thus lowering the bio-burden upon that surface;

- Acinetobacter calcoaceticus
- Aeromonas hydrophilia
- Alternaria alternata
- Anabaena cylindrica
- Anabaena cylindrica
- Aspergillus flavus
- Aspergillus fumigatus
- Aspergillus Niger
- Bacillus cereus
- Bacillus subtilis
- Bacillus typhimurium
- Bipolaris australiensis
- Candida albicans
- Candida parapsilosis
- Cephalascus fragans
- Chlorella
- Chlorophyta (green)
- Chrysophyta (brown)
- Citrobacter diversus
- Cladosporium herbarum
- Clonostachys rosea
- Clostridium perfringens
- Coronavirus, Human
- Corynebacterium bovis
- Corynebacterium diphtheriae
- Cryptococcus humicola
- Cutibacterium acnes
- Enterobacter aerogenes
- Enterobacter agglomerans
- Enterobacter cloacae
- Enterococcus
- Enterococcus faecalis
- Epidermophyton floccosum
- Escherichia coli
- Fusarium nigrum
- Fusarium solani
- Geotrichum candidum
- Gliocladium roseum
- Gliomastix cerealis
- Klebsiella pneumoniae
- Klebsiella terrigena
- Iternaris species [clarification needed]
- Mariannaea elegans
- Microsporium audouinii
- Monilia grisea
- Mycobacterium tuberculosis
- Oospora lactis
- Oospora lactis sp
- Oscillatoria borneti
- Penicillium albicans
- Penicillium chrysogenum
- Penicillium citrinum
- Penicillium notatum
- Penicillium variabilei
- Penicillium notatum
- Pleurococcus
- Proteus mirabilis
- Proteus vulgaris
- Protococcus
- Pseudomonas aeruginosa
- Pseudomonas cepacia
- Saccharomyces cerevisiae
- Salmonella enterica
- Salmonella typhi
- Salmonella typhimurium
- Scenedesmus quadricauda
- Selenastrum gracile
- Serratia liquefaciens
- Serratia marcescens
- Stachybotrys atra
- Stachybotrys chartarum
- Staphylococcus aureus
- Staphylococcus epidermidis
- Streptococcus faecalis
- Streptococcus pyogenes
- Trichoderma flavus
- Trichophyton interdigitale
- Trichophyton mentagrophytes
- Trichosporon mucoides
- Vancomycin-resistant enterococci

\* \* \* \* \*

Manufacturer is not responsible for the use and application of this material. It is up to the end user to determine the suitability of this product for their own application. It is the belief that the contents of this document are accurate at the time of printing. No warranty is written or implied regarding application and use.