



nano-Grip 1128AMD

BDT-1128AMD

Antimicrobial Disinfectant n-Ceramic Floor Coating

Technical Data Sheet

nano-Grip 1128AMD is a clear when cured, easy to apply Antimicrobial Disinfectant formulation that helps to significantly lower the bio-burden and continuously protect treated surfaces from the colonization of bacteria, mold, mildew and fungus while the disinfectant additive in the formulation kills bacteria and viruses such as; **Corona Virus-Human, HIV, HCV & HBV** and more than 140 others from cleaned, product coated surfaces for as long as the coating remains intact.

nano-Grip 1128AMD is a single component solution that ambient cures and has extreme hydrophobic properties. **nano-Grip 1128AMD** creates a hydrophobic barrier on ceramic tile, grout, all types & finishes of wood, natural stone, rough-finished-stamped concrete, synthetic rolled flooring products and practically any other combination of modern flooring materials used today.

nano-Grip 1128AMD creates a permanent bond to the substrate material and penetrates its' substructure on a molecular level. Uses a Si N molecular structure to provide the strongest covalent bond available, providing long lasting protection of the antimicrobial disinfectant and a continuous microbe killing surface for as long as the coating remains intact.

nano-Grip 1128AMD is ideal for use on high foot traffic community areas, public-private-commercial eateries, residential, govt./public and/or commercial floor surfaces. Elite coating performance in wet or dry environments.

nano-Grip 1128AMD has an excellent UV inhibitor, has high chemical resistance and is invulnerable to standard protocol cleaners. Our coatings contain an optical brightener that illuminates under special uv or black light and provides an effective means of physical inspection and verification of a present & functioning antimicrobial disinfectant coating. Applicators and consumers can easily verify that all intended surfaces were initially coated or, upon periodic inspection, have remained intact and still offering the intended antimicrobial protection. **nano-Grip 1128AMD** is available as a single application and additional non-slip additives are available for application environments that might require more extreme slip resistance. Aggregate additives (traditional non-skid ie. sand, pumice) are available as well; ideal for marine applications - above & below deck - as well all external heavy-weather use.

nano-Grip 1128AMD can be ordered in a matte finish, where a semi-gloss is not desired.



nano-Grip 1128AMD is our most robust coating for high foot traffic areas that receive the greatest amount of residual traffic, continuous surface abrasion and most frequent chemical protocol cleaning. ***This coating is used in Single Coat Application, by trained installers.***

nano-Grip 1128AMD – Properties:

The following coverage and dry times are estimated due to substrate porosity and weather/environmental conditions.

- Solids content _____ 32%
- Estimated Coverage Rate (porous substrates) _____ 250-300 sq./ft. per gal***
- Estimated Coverage Rate (dense substrates) _____ 550 sq./ft. per gal***
(* ** applied thickness & absorbency of the solution into the substrate will vary results)
- Dry to Touch (time @ambient) _____ 25-45 minutes** (average) (** warm ambient temperature may help to reduce the dry time)
- Re-coat time _____ 1-2 hrs.
- Foot traffic _____ 2-24 hrs.
- Cure time _____ (5-days minimum before submerging under water)
- Application temp. _____ 55° to 95°F
(5-days at colder surface temperatures may not allow for a full cure, so at colder application temperatures, allow more time to achieve full cure properties)
- Odor is very slight and non-offensive

EPA Reg. No. 83019-1

FIFRA Reg. no. 61178-5, Refer to EPA list N

EPA Est. No. 96461-GA-1



Application

- Only apply **nano-Grip 1128AMD** to clean dry substrate surfaces.
- Only apply **nano-Grip 1128AMD** to concrete that has aged 28 days or more.
- Suggest to apply **nano-Grip1128AMD** by a short nap or sponge roller; during application allow the substrate to absorb the coating, leaving a 1-to 2 mil coating to remain on the surface.
- Be sure to avoid ponding of the coating on the substrate surface, as this will negatively affect the products' cure rate and potentially its properties.
- Do not apply if rain or wet weather is expected within 24 hours of application.
- If applying this product in a confined area, provide adequate ventilation and avoid spark, flame or other ignition source – as this product, when in its liquid state, is flammable.

nano-Grip 1128AMD's antimicrobial disinfectant formulation helps to continuously kill and protect coated surfaces from the colonization of the following list of microorganisms, significantly lowering the bio-burden upon that surface for an extended period of time; while providing elite performance and extreme durability in a high performance floor covering.

MICROORGANISM EFFECTIVE KILL LIST

Human Viruses

Adenovirus type 2 – Cytomegalovirus – HBV (Hepatitis B Virus) – HCV (Hepatitis C Virus) – Herpes Simplex type 1 Virus – Herpes Simplex type 2 Virus – HIV-1 (AIDS Virus)

*Human Coronavirus

Influenza A/Brazil Virus – InfluenzaA/Victoria(H3N2) Virus - Influenza A2-Asian Virus – Influenza B Virus (Allen strain) – Influenza C Virus (Taylor strain) – Measles Virus

Non-Human Viruses

Avian Influenza/Turkey/ Wisconsin Virus

Canine Coronavirus – Canine Distemper Virus – Canine Herpesvirus

Equine Herpesvirus – Equine Influenza

Feline Calicivirus Norovirus – Feline Infectious Peritonitis –

Infectious Bovin Rhinotracheitis (IBR) – Newcastle Disease Virus



Isolates From AIDS Patients

Aspergillus niger – Candida albicans
Cryptococcus neoformans

Gram Positive Clinical Isolates

Staphylococcus aureus (Toxic shock) – Staphylococcus epidermidis – Staphylococcus saprophyticus

Gram Negative Clinical Isolates

Acinetobacter calcoaceticus var. anitratus – Acinetobacter calcoaceticus var. Iwoffii Bordetella bronchiseptica – Brevundimonas diminuta

Burkholderia cepacia – Enterobacter agglomerans – Enterobacter cloacae – Enterobacter gergoviae – Enterobacter liquefaciens – Escherichia coli (Urinary) – Escherichia coli (Wound) – Flavobacterium meningosepticum – Hafnia alvei

Other Bacteria

Actinobacillus pleuropneumoniae – Actinomyces pyogenes – Bacillus cereus – Bacteroides fragilis – Corynebacterium ammoniagenes, (Brevibacterium ammoniagenes) - Bordetella bronchiseptica – Burkholderia pickettii

Parainfluenza type 1 – Poliovirus type 1 (Chat strain) – Respiratory Syncytial Virus - Rotavirus Vaccinia Virus

Porcine Parvovirus – Porcine Respiratory & Reproductive Syndrome Virus – Porcine Rotavirus – Pseudorabies Virus – Transmissible Gastroenteritis (TGE) T1 bacteriophage – T4 bacteriophage – Vesicular Stomatitis Virus (VSV) Bovine – Viral Diarrhea Virus (BYDV) – Avian Influenza Virus (H5N1)

Pseudomonas aeruginosa – Staphylococcus aureus – Streptococcus pneumoniae - Streptococcus haemolyticus – Streptococcus pyogenes

Klebsiella oxytoca – Klebsiella pneumoniae – Morganella morganii – Proteus mirabilis -Proteus vulgaris – Pseudomonas aeruginosa – Pseudomonas fluorescens – Pseudomonas pseudomallei – Pseudomonas putida – Pseudomonas stutzeri – Serratia marcescens – Sphingomonas paucimobilis

Campylobacter jejuni – Chryseomonas luteola – Corynebacterium pseudotuberculosis – Enterobacter aerogenes – Enterococcus faecalis – Enterococcus faecium – Enterococcus hirae – Escherichia coli



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