A product of Baker Forge

Gator Skin

Part of the Gator Piss Family

Technical Data Sheet

Gator Skin is an FDA-compliant food safe non-stick nano-ceramic coating suitable for use on cutting instruments and blades. Gator Skin reduces drag, keeps edges sharper longer and prevents corrosion without the need for oil. Treated blades work better for longer with less need for maintenance. Gator Skin is easy to apply and extremely durable. Surfaces may be easily re-coated when required.

Proudly manufactured in the USA.

Technical Data

Color	Clear
Viscosity	12 Sec #2 Zahn
Percentage of Solids (%)	14
V.O.C	Exempt per CFR 51.1 / Regulation 8
RoHS	Compliant
REACH	Compliant
Halogens	None
Thermal Stability (cured)	1200°F (648.8°C)
Conical Bond (1/8” Mandrel) (ASTM D522-93a)	Passed
Cross Cut Adhesion (ASTM D3359)	5B
Coefficient of Friction (ASTM D2047)	0.03μ
Specific Gravity (ASTM D891-09)	0.889
Pencil Hardness (ASTM D3363)	8h
Oder (liquid)	Slight Solvent
Oder (cured)	None

Wash before use following curing process

Key Performance Properties

- *Non-stick.*
- *Reduces drag.*
- *Keeps edges sharper for longer.*
- *Prevent corrosion without the need for oil.*
- *Easy clean.*
- *FDA-compliant for food contact.*
- *Inert (benign) material once cured.*
- *Easy application by wipe or spray.*
- *May be re-coated as needed for long term performance.*
- *Cures under ambient conditions.*
- *Excellent adhesion. Creates a covalent bond to the substrate for long-term durability.*
- *Applies thin (2-3 micron dry film thickness).*
- *RoHS and REACH compliant.*

Common Applications

- *Cutlery*
- *Utility knives*
- *Exacto blades*
- *Industrial blades*

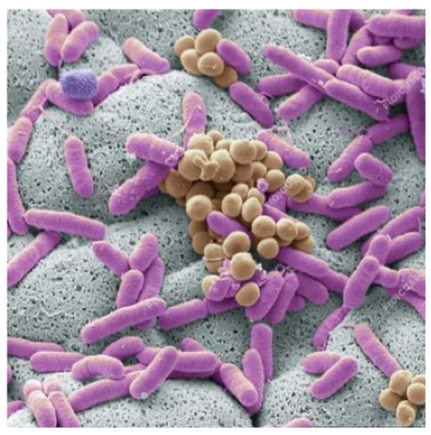
Drying & Coverage Rate

Average Applied Dry Film Thickness	2 to 3 microns
Estimated Coverage Rate (@ 3 microns)	1,900 ft² (175 m²) per gallon
Dry to Touch Time (@ 77°F / 25°C) *Exposing to a warmer air flow (not exceeding 110°F) will reduce drying time	15 – 25 minutes (average)
Ambient Cure (Full Properties) *Exposing to a warmer air flow (not exceeding 110°F) will shorten cure time.	12+ hours

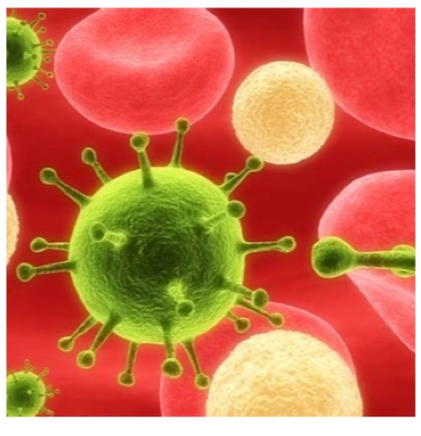
All statements, technical information and recommendations contained in this document are based upon tests or experience that Baker Forge believes are reliable. Environmental conditions, storage practices and many other variables may impact the performance of this product in a given application. Baker Forge is not responsible for the use or application of this product. It is the responsibility of the end user to determine the suitability of this product for the end application. No warranty is written or implied regarding application and use of this product.

Gator Skin









HIGH-PERFORMANCE NANO-CERAMIC COATING

Baker Forge utilizes proprietary aerospace nano-ceramics to create the high-performance Gator Skin coating. The Gator Skin nano-ceramic coating covalently bonds to almost any surface for long-term adhesion and extreme durability. Baker Forge's Gator Skin coating is low-VOC, easy to apply, and air cures under ambient conditions. Treated surfaces are hydrophobic and oleophobic. The ceramic matrix protects against abrasion, chemicals, and UV radiation for the life of the coating.

ANTIMICROBIAL ADDITIVE

Baker Forge uses a powerful organosilicon-based antimicrobial additive that is an effective surface disinfectant and adds exceptional continuous bacteriostatic, fungistatic, and algistatic properties to Gator Skin-coated surfaces. The antimicrobial is blended throughout the entire thickness of the Gator Skin coating for long-term antimicrobial durability.

The antimicrobial additive creates a network of electrically charged molecules on the exposed surface that ruptures the cell membrane of microorganisms that come into contact with the Gator Skin coating. The antimicrobial's physical kill mechanism is highly effective and does not promote the development of drug-resistant superbugs.

OTHER KEY PROPERTIES

- *EPA Registered (83019-1) & NSF-51 Approved and FDA-compliant for Food Contact Surfaces.*
- *Protects plastics, textiles, and other Gator Skin-coated surfaces from colonization by a wide variety of pathogens, viruses, bacteria, mold, algae, and other microorganisms.*
- *Proven effective to protect treated surfaces against colonization by Influenza and Human Coronavirus (untested against COVID-19).*
- *Does not contain any heavy metals and does not leach chemicals or metals out of the Gator Skin coating.*
- *Non-toxic and non-hazardous to humans and pets when used as directed.*
- *No transdermal absorption.*

THE ANTIMICROBIAL PROPERTIES HELP TO CONTINUOUSLY PROTECT GATOR SKIN-COATED SURFACES FROM POTENTIAL COLONIZATION BY A GROWING LIST OF MICROORGANISMS, INCLUDING:

- *Coronavirus, Human*
- *Acinetobacter calcoaceticus*
- *Aeromonas hydrophilia*
- *Alternaria alternata*
- *Anabaena cylindricia*
- *Aspergillusflavus*
- *Aspergillusfumigatus*
- *AspergillusNiger*
- *Bacillus cereus*
- *Bacillussubtilis*
- *Bacillustyphimurium*
- *Bipolaris australiensis*
- *Candida albicans*
- *Candida parapsilosis*
- *Cephaldascusfragans*
- *Chlorella*
- *Chlorophyta (green)*
- *Chrysophyta (brown)*
- *Citrobacter diversus*
- *Cladosporium herbarum*
- *Clonostachysrosea*
- *Clostridiumperfringens*
- *Corynebacteriumbovis*
- *Corynebacteriumdiphtheriae*
- *Cryptococcus humicola*
- *Cutibacterium acnes*
- *Enterobacter aerogenes*
- *Enterobacter agglomerans*
- *Enterobacter cloacae*
- *Enterococcus*
- *Enterococcusfaecalis*
- *Epidermophyton floccosum*
- *Escherichia coli*
- *Fusarium nigrum*
- *Fusarium solani*
- *Geotrichum candidum*
- *Gliocladium roseum*
- *Gliomastix cerealis*
- *Klebsiella pneumoniae*
- *Klebsiella terrigena*
- *Iternarisspecies*
- *Mariannaea elegans*
- *Microsporum audouinii*
- *Monilia grisea*
- *Mycobacteriumtuberculosis*
- *Oospora lactis*
- *Oospora lactissp*
- *Oscillatoriaborneti*
- *Penicilliumalbicans*
- *Penicillium chrysogenum*
- *Penicilliumcitrinum*
- *Penicilliumnotatum*
- *Penicilliumvariabilei*
- *Penicilliumn 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*
- *Serratiamarcescens*
- *Stachybotrys atra*
- *Stachybotrys chartarum*
- *Staphylococcus aureus*
- *Staphylococcus epidermidis*
- *Streptococcusfaecaliis*
- *Streptococcus pyrogenes*
- *Trichoderma flavus*
- *Trichophyton interdigitale*
- *Trichophyton mentagrophytes*
- *Trichosporon mucoides*
- *Vancomycin-resistant enterococci*