



SLICKBLADE™

SLICKBLADE™ is a revolutionary Nano-Ceramic Non-Stick coating for Cutlery that reduces drag, keeps cutting edges sharper longer, and stops corrosion.

Technical Data Sheet

SLICKBLADE™ is a high performance • single component • wipe-on • ambient air cured product

SLICKBLADE™ creates a covalent bond to the substrate • giving it an intrinsic bond to the surface

SLICKBLADE™ is an inert (benign) material when cured • FDA compliant for food contact.

SLICKBLADE™ on cutlery; reduces drag • keeps edges sharper longer • stops corrosion with no oil

SLICKBLADE™ Properties:

- | | |
|--------------------------|------------------------------------|
| • Color_____ | Clear |
| • Viscosity_____ | 12 sec. #2 Zahn |
| • Percent of Solids_____ | 14 |
| • Odor (liquid)_____ | Slight Solvent |
| • Odor (cured)_____ | None |
| • 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 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_____ 2 to 3 microns
- Estimated Coverage Rate(@ 2-3 microns)___ 4,500 sq./ft.+ per gallon
- Transfer to surrounding material_____ Zero (0) (non-toxic)
- Dry to Touch (time @ambient)_____ 15 – 25 minutes** (average)
(** a warm airflow will help decrease time to dry & cure)
- Ambient cure time_____ 12 hrs
Exposing to a warmer air flow (not exceeding 110°F) will shorten the cure time
- After curing process_____ wash before use

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

SPARTAN Chemistry is the MOST ADVANCED “OPTIMIZING” Chemistry on the Planet!
We “OPTIMIZE and MAXIMIZE performance of Firearms, Fishing Reels, Engines, Bladed and Machining Tools... with our SUPER cleaners and lubricants for various consumer, commercial, and industrial markets. We also offer proprietary specialty coatings, and amazing natural formulas to enhance productivity for farmers and growers. Our products are SAFE, GREEN, American-made, DIFFERENT FROM and SIGNIFICANTLY OUTPERFORMS the competition.

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