



Technical Data Sheet

HS-989 “High Solids” Nano-Ceramic Clear Coat

Ideal for saturating fibrous substrates for heat and water resistance

- HS-989 is a high performance • ambient air cure • Clear Hydrophobic Super-Slick product •
- HS-989 creates a covalent bond to the substrate creating an intrinsic bond to surface •
- HS-989 is an inert material when cured •
- HS-989 has excellent UV resistance •

HS-989series Properties:

- Color _____ Clear
- Viscosity _____ 16-18 sec. #2 Zahn
- Percent of Solids _____ 50%
- Odor (liquid) _____ Slight Solvent
- Odor (cured) _____ None
- V.O.C. _____ Exempt per CFR 51.1 / regulation 8
- RoHS _____ Compliant
- Halogens _____ None
- Thermal Stability (cured) _____ 1800°F + (982.2°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 _____ 9h+ (ASTM D3363)
- Average applied dry film thickness _____ dependent on saturation level
- Estimated Coverage Rate(@ 5 microns) _____ 2,600 sq./ft. per gallon
- Transfer to surrounding material _____ Zero (0) silicones
- Expose to 90 to 110 F air flow to reach dry to touch and full cure more rapidly, do not heat up rapidly as it will cause off gassing as the solvents are forced out of the resin system.
- Ambient cure (full properties) normally _____ 5 days

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