



SL5-001C

Product Description: SL5-001C is a low viscosity acrylic UV-cure coating system that allows for clean, convenient application in roll-on or spray systems. The material possesses excellent self-leveling capability and exhibits a tack-free, glossy surface finish when cured. Curing can be accomplished with a variety of UV-cure systems, but LED cure is recommended in the 300-400 nm wavelength range. The material exhibits great adhesion to a variety of substrates. The cured material possesses high hardness, high impact strength and excellent scratch resistance properties.

Suggested Applications: Electronics Encapsulation, Plastic Adhesives, Nail Gel Topcoat, Plastic Coatings, Automotive Topcoat, Fireworks/Explosives Containment, Armored Vehicle Topcoat

Key Property Features:

Good Glossy Appearance
High Impact Resistance

Fast Curing Speed
Excellent Scratch Resistance

High Hardness

Technical Data

Property	Test Method	Result
Viscosity (cP)	Vevor NDJ-5S, Spindle 4, 60 rpm	2,024
Density (g/mL)	Pipet Density Method	1.017
Hardness	Shore D Durometer	90

Product Handling and Storage: Material should be kept stored in black jar or syringe it was packaged in and away from exposure to light when not in use. Material should be stored in temperatures ranging from 20-40°C for best results. Use standard PPE in area with good ventilation.

Disclaimer: This TDS was put together from a pilot trial sample using preliminary test results. The information presented here is not necessarily an indicator of guaranteed consistent properties for this material. The user will have to evaluate SL5-001C in their end application to check for suitability in meeting their material requirements. We encourage communication with our team to provide feedback on our products so that we can make necessary adjustments to meet all your property requirements in your application.