

Liquid Coating



AccuCure™ UV Coatings

AccuCure is an ultraviolet curing, highly protective lacquer specifically engineered for use with the Accu-Cure UV liquid coating machines. AccuCure cures instantly and is immediately ready for display.

- Cure Response Time** Less than 0.5 seconds upon exposure to UV lamps AccuCure coatings provide immediate resistance to chemical attack, water, salt spray, solvents and cleaners.
- Resistance** AccuCure Elite UV provides maximum scuff, rub, graffiti and abrasion resistance that continues to develop over 24 hours from application.
- Handling** Supplied 'application-ready', AccuCure coatings can be used directly from the bottle without viscosity adjustments for use with the AccuCure 60 UV, AccuCure 80 UV and the AccuCure 72X UV machines.
- The chemistry of UV curable coatings is different from that of conventional, water-based coatings and as a result, handling procedures are different. These differences must be emphasized to those more familiar with handling conventional, water-based products to ensure minimal exposure. Proper handling of UV curable materials is essential to realize the full potential of this technology. Remember: always work to minimize / prevent exposure to sunlight, UV lights, overhead fluorescent and mercury vapor lamps. Extended exposure to these sources may cause these coatings to prematurely cure. Incidental exposure to lighting sources will not cause any problems.
- Cleaning** There is no need to clean the machine daily when using AccuCure coatings. Due to its unique chemistry, they will not dry by evaporation and therefore can simply be left in the machine and on the rollers at the end of a day. Weekly machine cleaning is recommended.
- Storage** All UV curable products are reactive and must be stored under conditions that prevent polymerization and product degradation. Avoid excessive heat and sunlight. Keep containers closed and out of areas where they can be exposed to oxidizing agents, peroxides or free-radical initiators. Store containers at temperatures between 55 degrees F and 85 degrees F for best results. Do not over fill containers (leave approximately 2-4" of head-space in each container).
- Disposal** All waste materials must be disposed of in accordance with local, state, and federal regulations. These products as shipped are not corrosive, reactive or flammable under the federal RCRA definition. Waste products should be prevented from contaminating any waterways, sewers, etc.
- Chemistry** UV Curable coatings rely upon a photochemical reaction to produce their outstanding physical properties and are liquid plastics that transform into cross linked solids when exposed to a high energy UV light source. This reaction takes less than 0.2 seconds to complete and results in a hard, scuff, scratch resistant and solvent resistant finish.

UV Advantages. . .

- Immediate curing
- Excellent durabilities
- Available in a variety of finishes
- Easy clean-up



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Comparison of UV Curable Coatings with other technologies

	Water-based	Solvent-based	UV Curable
Scuff Resistance	Good	Better	Best
Gloss	Max. 60 - 70	Max. 70 - 80	Max. 80 - 90
Water Resistance	Good	Excellent	Excellent
Alcohol Resistance	Fair	Poor	Excellent
Gasoline Resistance	Poor	Poor	Excellent
MEK	Poor	Poor	Fair/Good
VOC's	2% - 8%	65% - 80%	0%
Cure Speed	10 - 20 sec.	5 - 10 sec.	1 sec.
Cure Mechanism	Evaporation	Evaporation	UV Light
Cleaning Materials	Water/alcohol/household cleaner	Alcohol/acetate/solvent	Alcohol/UV wash up

Item Numbers

Model	Item Number	Finish	Size
AccuCure Elite UV Fleet Gloss	5004516	Gloss	5 Gallons (ships in two 2.5 gallon jugs)
AccuCure Elite UV Fleet Luster	5004512	Luster	5 Gallons (ships in two 2.5 gallon jugs)
AccuCure Elite UV Gloss*	5004521	Gloss	5 Gallons (ships in two 2.5 gallon jugs)
AccuCure Elite UV Satin Matte*	5004523	Satin Matte	5 Gallons (ships in two 2.5 gallon jugs)

* Hard coat liquid intended for rigid substrates.

Temperatures in Fahrenheit and thicknesses in mil are given as approximate values. All data are standard values. The information in this specification sheet is based on findings obtained in practice. Because of the high number of factors which can have an effect during handling and application, customer tests will also be required. A legally binding guarantee of specific properties is not to be inferred from our specifications.

All Statements, technical information and recommendations about Neschen Americas products are based upon tests believed to be reliable but do not constitute a guarantee or warranty. Neschen Americas products are warranted to be free from defects in material and workmanship for one year from date of shipment if said products are properly stored and applied. All Neschen Americas products are sold with the understanding that the purchaser has independently assumed responsibility in determining the suitability of such product for its purposes.

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