1.0 SDS Information

A safety data sheet is readily available to all those having potential contact with the product. The SDS should be held in file for reference purposes as specified by the OSHA Worker Right to Know Requirements.

2.0 Scope

CureUV Curable Stain for Wood is a Polyester Acrylate UV curable wood coating that is zero in volatile organic compounds (VOC's) and zero in hazardous air pollutants (HAP's). It is used as a stain and exhibits a very good cure response and very low shrinkage upon curing. It is a low viscosity, 100% solids UV curable coating that exhibits excellent flow and leveling and excellent adhesion to wood surfaces. This stain can be applied by wiping, brushing, or spraying and then wiped for desired shade and color. A spray no wipe method can also be used.

3.0 Material Properties

The following are target properties.

3.1 Physical Properties

3.1.1	Non-Volatiles, wt.%:	100
3.1.2	Density, lb/gal:	8.90 – 9.20
3.1.3	Brookfield Viscosity, cps: (# 2 spindle, 20 rpm, 21° C)	100 - 200
3.1.4	Surface Tension, dynes/cm:	36.0 – 40.0
3.1.5	VOC	
	EPA Method (less water), lb/gal:	0.00
	Actual wt.%:	0.00
	Actual, lb/gal:	0.00
3.1.6	HAP, lb/lb:	0.00
3.1.7	UVA Cure Dose, mJ/cm^2 (1.25 mil application thickness)	200 – 250

3.2 Other product information

3.2.1 Recommended Wet (and resulting dry) film thickness: 0.5 mil – 2.0 mils

3.2.2 Cleanup:

wet coating	Absorb using appropriate media and use acetone or isopropanol to remove remainder with absorbent wipe. Dispose of in accordance to national, state and local regulations
dry coating	will be insoluble and may be disposed of as solid waste.

3.2.3 Material supplied "ready to use". In the event reduction is desired, the use of acetone is recommended. It is strongly suggested to contact Van Technologies for information concerning any corrective, and/or modifying actions.

4.0 Finish Performance Data (As applied as both seal and topcoat)

Recommended Usage	Characteristics
For all wood surfaces, interior use, commonly used on moulding and millwork, doors, siding, floors, etc.	Stained surfaces exhibit exceptional clarity, excellent adhesion to most wood species, and excellent intercoat adhesion with GL-Series UV curable sealers and topcoats. UV curable, zero VOC and zero HAP, non-flammable.

Quick Reference Table:

Characteristics	Ranking
Household Chemicals	NA-intended to be topcoated
Abrasion Resistance	NA-intended to be topcoated
Moisture Resistance	5
Build/Solids	NA-intended to be topcoated
Dry Time	5
Yellowing	NA-intended to be topcoated
Repairability	NA-intended to be topcoated

Key: 1 = Poor 2 = Fair 3 = Good 4 = Very Good 5 = Excellent

5.0 Process requirements:

5.1 Dry/Cure for a 1.25 mil wet film thickness (1.25 mil DFT)

5.1.1 UVA Cure Dose (EIT Power Puck Radiometer) establishes dose for cure to be between 200 – 250 mJ/cm^2

5.2 Application Equipment Recommendations:

5.2.1 Spray Gun/tip Options:

5.2.1.1 Graco Compliant with HVLP Air Cap with 0.030 tip, 10-15 psi fluid pressure, 30 psi atomizing pressure

5.2.1.2 Binks HVLP – #92 tip (0.034”), #97P air cap, 10 psi fluid pressure, 45 psi atomizing pressure

5.2.2 Review UV Tech Tips for other equipment recommendations.

** Do not apply when ambient temperature is < 60 F

5.3 Shipping/Stacking of Parts:
Parts may be stacked and packaged immediately after cure.