



(Gemco Valve Company, n.d.)

Wood Finishing

Product Brochure

Camger Coatings Systems, Inc. has been manufacturing quality protective coatings that beautify since 1971. Like all products in the Camger line, our wood finishing products are produced with great care, rigorously controlled specifications, and are backed by a full technical staff. We offer a full range of millwork products.



(Flaherty, n.d.)

Camger Coatings Systems, Inc. prides itself on the dedication to our products, and complying with our customer's coating requirements.

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We also sell ILVA wood coatings!

Look for the ILVA symbol in our brochure.





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Wood Primers / Sealers

These coatings are offered for use as the first spray coat to primer and/or seal wood components. They offer fast drying, ease of sanding, as well as exceptional film build when required. Waterborne sealers are recommended where reduction of VOC is important and some of these waterborne sealers can be safely used under nitrocellulose lacquer topcoats.

Nitrocellulose Sealers

- | | | | |
|---|----------|---------------------------------|----------------------|
| • | 4-28-16 | Clear HS Lacquer Sanding Sealer | 27% solids by weight |
| • | 10-45-SP | White Flat Lacquer Primer | 44% solids by weight |

Waterborne Wood Sealers

- | | | | |
|---|-------------|--|----------------------------------|
| • | 202-010-S-1 | White Hi Hide Waterborne Sprayfill Interior/Exterior | 48% solids by weight |
| • | 110-31-1 | Clear Waterborne Sanding Sealer | 31% solids by weight (25 GL Min) |
| • | 227-010 | High Hide Machine Coat Primer | 59% solids by weight (25 GL Min) |



ILVA
wood coatings

(IVM Chemicals Inc., n.d.)

Polyurethane Clear Ilva Sealers

- | | | | |
|---|---------|---|----------------------|
| • | TA-03 | Clear Polyurethane Sealer | 40% solids by weight |
| • | TA-48 | Clear Polyurethane Undercoat | 48% solids by weight |
| • | TA-0012 | Acrylic Urethane Sealer (non-yellowing) | 36% solids by weight |
| • | TF-25 | Clear Polyurethane Barrier Coat | 22% solids by weight |

Polyurethane Pigmented Ilva Undercoat

- | | | | |
|---|-------|------------------------------|----------------------|
| • | PA-20 | White Polyurethane Undercoat | 61% solids by weight |
| • | PA-39 | Black Polyurethane Undercoat | 62% solids by weight |

Polyester Clear/Pigmented Ilva Undercoats

- | | | | |
|---|---------|---------------------------|----------------------|
| • | TG-1323 | Clear Polyester Undercoat | 97% solids by weight |
| • | PI-40 | White Polyester Undercoat | 82% solids by weight |
| • | PI-29 | Black Polyester Undercoat | 94% solids by weight |

Waterborne Ilva Sealers

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|---|----------|-----------------------|----------------------|
| • | TT-06 WB | Clear 2K Poly Sealer | 34% solids by weight |
| • | PT-410 | White Aquatech Sealer | 57% solids by weight |



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Lacquer Topcoats

Camger's Lacquer Topcoats are designed as the final finish coat and protective barrier over the appropriate sealer/primer to give the wood a rich, warm patina over time. They can be clear or pigmented and supplied at required gloss levels. Topcoats can vary in chemical composition to meet desired performance criteria.

Note: Finishes listed are stock products. If you desire a different gloss level than listed, Camger can manufacture them in **25 gallon minimum** lots. For volumes less than the minimums Camger recommends using Flat-Aid products to reduce the gloss of the finish.

Flat-Aid

- #99 Clear Lacquer Flat-Aid (sold in gallon and quart containers)

Nitrocellulose Lacquer Topcoats

Standard Furniture Grade

- | | | | |
|---|---------|-----------------------------|-----------------------|
| • | 7-30-10 | Clear Flat Wood Lacquer | 25 % solids by weight |
| • | 7-30-50 | Clear Satin Wood Lacquer | 25 % solids by weight |
| • | 7-30-65 | Clear Hi-Satin Wood Lacquer | 25 % solids by weight |
| • | 7-30-90 | Clear Gloss Wood Lacquer | 25 % solids by weight |

Clear Poly-Lac Heat & Alcohol Resistant (Recoatable)

- | | | | |
|---|------|-----------------------------|-----------------------|
| • | 5-55 | Clear Satin Poly-Lacquer | 28 % solids by weight |
| • | 5-65 | Clear Hi-Satin Poly-Lacquer | 28 % solids by weight |
| • | 5-90 | Clear Gloss Poly-Lacquer | 28 % solids by weight |

Pre-Catalyzed Lacquer (Not sold in Single Gallon Containers)

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|---|-----------|---|----------------------------------|
| • | 166-35-20 | Clear Lo-Satin Acid Cured Pre-Cat Lacquer | 32% solids by weight (25 GL min) |
| • | 166-35-35 | Clear Satin Acid Cured Pre-Cat Lacquer | 32% solids by weight |
| • | 166-35-50 | Clear Hi-Satin Acid Cured Pre-Cat Lacquer | 32% solids by weight (25 GL min) |
| • | 166-35-90 | Clear Gloss Acid Cured Pre-Cat Lacquer | 32% solids by weight |

Pigmented Lacquers

- | | | | |
|---|--------|---------------------|----------------------|
| • | FB-100 | Black Flat Lacquer | 30% solids by weight |
| • | ML-150 | Black Satin Lacquer | 29% solids by weight |
| • | ML-200 | Black Gloss Lacquer | 29% solids by weight |
| • | 250 | White Satin Lacquer | 39% solids by weight |
| • | 6971 | White Gloss Lacquer | 40% solids by weight |

Premium Topcoats

CAB/Acrylic Topcoats

CAB/Acrylic technology is used in Camger wood finishing products to provide premium performance topcoats offering high transparency and gloss capabilities along with improved hardness, chemical / moisture resistance, and UV resistance. The CAB/Acrylic composition also offers excellent surface leveling and smoothness for a clean, durable finish.

Clear Non-Yellowing CAB/Acrylic

- | | |
|---------------------------------------|----------------------|
| • 35-30-60 Clear Satin Burate Lacquer | 19% solids by weight |
| • 35-30-90 Clear Gloss Burate Lacquer | 19% solids by weight |



Urethane Topcoats

Clear Polyurethane (ILVA) Topcoats

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|-----------------------------------|----------|----------------------|
| • TO-96 Clear Poly (10 Deg.Gloss) | | 46% solids by weight |
| • TO-94 Clear Poly (20 Deg.Gloss) | Lo-Satin | 46% solids by weight |
| • TO-93 Clear Poly (30 Deg.Gloss) | Satin | 46% solids by weight |
| • TO-92 Clear Poly (50 Deg.Gloss) | Hi-Satin | 46% solids by weight |
| • TO-91 Clear Poly (65 Deg.Gloss) | | 46% solids by weight |
| • TO-00 Clear Poly(100 Deg.Gloss) | Gloss | 46% solids by weight |
| • TP-60 Gloss Polyurethane | Wet Look | 50% solids by weight |

Non-Yellowing Acrylic 2K Urethane

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|---|-----------------------|
| • TS-0004 Acrylic Urethane (25 Deg.Gloss) | 32 % solids by weight |
| • TS-0003 Acrylic Urethane (35 Deg.Gloss) | 32 % solids by weight |
| • TS-0002 Acrylic Urethane (50 Deg.Gloss) | 32 % solids by weight |
| • TP-11 Acrylic Urethane (90 Deg.Gloss) | 29% solids by weight |

Pigmented 2K Polyurethane

- | | |
|----------------------------------|----------------------|
| • PM-10 Gloss White Polyurethane | 68% solids by weight |
| • PL-50 Matte White Polyurethane | 62% solids by weight |
| • PM-19 Gloss Black Polyurethane | 68% solids by weight |
| • PL-59 Matte Black Polyurethane | 50% solids by weight |

Non-Yellowing Pigmented 2K Polyurethane

- | | |
|--------------------------------------|----------------------|
| • PL-80 Matte White Acrylic Urethane | 45% solids by weight |
| • PM-80 Gloss White Acrylic Urethane | 57% solids by weight |

Polyester Topcoats

Polyester 2K

- | | |
|---|----------------------|
| • TR-9982 Direct Gloss Polyester | 84% solids by weight |
| • TC-10 Paraffined Polyester (vertical) | 98% solids by weight |
| • TC-11 Unsaturated Paraffined Polyester | 98% solids by weight |
| • TC-12 Paraffined Polyester (horizontal) | 97% solids by weight |

Ilva Polyurethane Hardeners



<u>Use & Description</u>		<u>Properties</u>	<u>Reactivity</u>
•	TX-11 PU Sealers(TA-03,TA-44,TA-48)	Good Fill	Medium
•	TX-1511 PU Sealers(TA03,TA44,TA48)	Good Fill, HAPS Compliant	Medium
•	TX-19 PU Sealers(TA-03,TA-44,TA-48,PA-20,PA-70)	Good Fill, Very Elastic	Medium Slow
•	TX-24 PU Clear Sealers & Topcoats	General Use, Yellows, Dark Woods, More Elastic then TX50	Medium Fast
•	TX-50 PU Clear Sealers & Topcoats	General Use, Yellows, Dark Woods	Fast
•	TX-1550 PU Clear Sealers & Topcoats	General Use, Yellows, Dark Woods, HAPS Compliant	Fast
•	TX-51 PU Gloss Topcoats	Yellows, Harder than TX24,TX50 Good for PM19 Gloss Black	Fast
•	TX-512 Glossy Acrylic Urethane TP511 ONLY	Max Non-Yellowing, Very Flexible	Slow
•	TX-70 PU Clear (T0 9-Series, T0-975-Series	Less Yellowing & Harder than TX24 and TX50	Medium Fast
•	TX-72 PU Clear and Pigmented Topcoats	Less Yellowing & Harder than TX24 and TX50	Fast
•	TX-75 PU Clear and Pigmented Topcoats	Max Non-Yellowing, Color Brightness, Hardness, Flexible	Medium
•	TX-90 All Acrylic Urethane	Max Non-Yellowing, Very Flexible	Slow
•	TX-1939 All Acrylic Urethane	Max Non-Yellowing, Very Flexible, HAPS Compliant	Slow
•	TX-168 All Acrylic Urethane	Max Non-Yellowing, Very Flexible, HAPS Compliant, High Solids, Can be used to replace TX-90 at ½ the level of hardener	Slow

Ilva Thinners



<u>Use & Description</u>	<u>Evaporation Rate</u>
• TZ-03 Polyester series PI, TG, TR	Very Fast
• TZ-08 Stain PF-5 series (Buytl Cellosolve)(use in addition to other solvents)	Retarder
• TZ-10 Polyurethane Retarder (use in addition to other solvents)	Very Slow
• TZ-13 Polyurethane Thinner	Middle Slow
• TZ-13NH Polyurethane Thinner No Haps	Middle Slow
• TZ-14 Polyurethane Thinner	Very Slow
• TZ-14NH Polyurethane Thinner, No Haps	Very Slow
• TZ-1836 PF 5 Staine Series Reducer for Spray	Middle
• TZ-33 Polyurethane Thinner, Best for Sealers	Middle Fast
• TZ-33NH Polyurethane Thinner, No Haps, Best for Sealers	Middle Fast
• TZ-35 Polyurethane Thinner	Middle Fast
• TZ-35NH Polyurethane Thinner, No Haps	Middle Fast
• TZ-50 Polyurethane Thinner, Polyester Thinner	Fast
• TZ-80 Polyester TC series, Reactive Styrene	Middle Slow
• TZ-86 Polyester TR/series	Middle Fast
• TZ-418 Polyurethane Retarder(use in addition to other solvents)	Very Slow
• TZ-4223 Polyurethane (Summer) and/or High Humidity	Slow
• TZ-425 Polyurethane (Summer) and/or High Humidity	Very Slow
• TZ-1042 N-Butyl Acetate Polyurethane Thinner	Middle Slow
• TZS-006 Polyurethane Thinner Low VOC	Middle Fast
• TZS-007 Ultra Polyurethane Thinner Low VOC	Middle Slow
• TZS-008 Slow Polyurethane Thinner Low VOC	Slow

Generally speaking, the use of slower solvents or NoHaps solvents increases the gloss levels slightly

Waterbased Topcoats

These acrylic/urethane topcoats offer premium performance in properties such as block resistance, dry time, adhesion, and visual appearance. These coatings improve the user friendliness and impact to air quality relative to their solvent based equivalents.

Acrylic/Urethane 1K Air Dry (Interior / Exterior)

•	09-7040 Clear Satin	32% solids by weight (5 GL Min)
•	09-7020-1 Clear Low Satin	32% solids by weight (5 GL Min)
•	09-7015 Clear Low Sheen	32% solids by weight (5 GL Min)
•	09-010-20-2 White Low Satin	44% solids by weight (5 GL Min)
•	09-016-20-1 Black Low Satin	32% solids by weight (5 GL Min)
•	09-2338-1 Red Ash Low Satin	33% solids by weight (5 GL Min)
•	09-2363-1 Golden Low Satin	32% solids by weight (5 GL Min)
•	09-8060 Clear Urethane Flattening Paste	16% solids by weight (5 GL Min)



Clear Ilva 2K Polyurethane (Interior)

•	TW-341	WB Clear (64-66 sheen)	40 % solids by weight
•	TW-342	WB Clear (48-52 sheen)	40 % solids by weight
•	TW-343	WB Clear (28-32 sheen)	40 % solids by weight
•	TW-344	WB Clear (19-21 sheen)	40 % solids by weight
•	TW-346	WB Clear (9-12 sheen)	40 % solids by weight
•	TW-347	WB Clear (4-6 sheen)	40 % solids by weight

Clear Ilva KLIMA 1K Air Dry (Exterior)

•	TN-931/00	WB Clear Satin	40 % solids by weight
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Wood Tone Ilva KLIMA 1K Air Dry (Exterior)

•	TN-931	Wood Tone Satin	40 % solids by weight
•	TN-931/50	Wood Tone (50 sheen)	40 % solids by weight



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Stains

Camger offers a variety of wood stains which accentuate the natural beauty of wood while offering color variation as well. Camger can custom tint to match your specifications in oil, solvent, and waterbased or ask about our vast, existing color offerings.

6-Series Solventbased Wiping Stains (Interior Use)

- 6-2 Rustic
- 6-20 Pecan
- 6-45 Dark Walnut
- 6-88 Fruitwood
- 6-99 Spice Brown
- 6-125 Mahogany
- 6-200 Nutmeg
- 6-225 White
- 6-269 Golden Oak
- 6-432-1 Brown
- 6-483-1 Cherry
- 6-870 Early American
- 6-1010-1 Honduras Mahogany
- 6-5000 Clear Base (Interior)
- Custom matching available

76-Series Interior Dye Stains (Alcohol Base)

- Custom matched to customer sample

65-Series Interior/Exterior Premium Waterborne Stains

- High Solids
- Modified Linseed Oil chemistry
- Stock colors
- Custom color matching available

33-Series Interior/Exterior Waterborne Stains

- Modified Linseed Oil / Acrylic chemistry
- Stock colors
- Custom color matching available



PF-5 Series (ILVA) Universal Dye Concentrates (Diluted with Water or Solvent)

- Various Stock colors

Stain Color Enhancers

- 21-45 Wood Sizing retards blotching
- PF-95 Waterbased Stain Vehicle (ILVA)
- PF-91 Solvent Based Stain Vehicle (ILVA)



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Adhesives

For use in adhering sheet plastic laminates to various substrates in the manufacture of countertops, table tops, etc...

- SLT-5-D-1 White Hi-Solids Waterborne Wood Glue
- 801-C Formica / Veneer Solvent Based Contact Cement

Industrial Grade Solvents/Reducers

Our line of straight and blended solvents for use in reducing/thinning wood oil stains, lacquers, enamels, and certain speciality coatings. Each T series reducer is selected or designed for specific applications. Speciality thinners are available to meet various EPA and other workplace requirements.

- T-52 Hotspray Thinner, Butyl Acetate
- T-100 Xylene Quick Dry Enamel Thinner
- T-156 Denatured Alcohol
- T-161 Butyl Cellosolve
- T-176 VM&P Naptha
- T-180 Methyl Ethyl Ketone (MEK)
- T-190 IP Alcohol 99% (Isopropyl)
- T-195 Methanol
- T-200 Toluene Quick Dry Enamel Reducer
- T-225 Mineral Spirits (Paint Thinner)
- T-300 Stain/Enamel Reducer (Naphta)
- T-400 Cement Cleaner Solvent/Reducer
- T-60 Lacquer Retarder
- T-66 Acetone
- T-600 Methylene Chloride Solvent
- T-606 No-HAPS Lacquer Thinner
- T-C-1 Lacquer Thinner

Tumbling Finishes

Tumble finishes that can be custom color matched in both enamels and stains.

Solvent based

- 18/M series Pigmented Tumble Enamels
- 165-series Pigmented Tumble Stain

Waterbased

- 78-series Tumble Enamels