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Product Data Sheet

Product:	**Turino™ Pigmented Conversion Varnish**					
Code(s):	**W40811 10 Sheen**	**W40812 Dull**	**W40813 25 Sheen**	**W40814 Satin**	**W40816 Semi-Gloss**	**W40818 Gloss**
Description:	Turino Pigmented Conversion Varnish is a unique, high solids, post-catalyzed, HAPS compliant, two component amino alkyd formulation that provides an excellent soft-feel coating on wood surfaces. Turino Pigmented Conversion Varnish represents the latest in durable, long-lasting wood finishing technology.					
Uses:	Turino Pigmented Conversion Varnish is a low odor, easy to apply formulation that was specifically designed for interior wood surfaces with exceptional resistance to water, heat, solvents, and household chemicals.					
Other Products:	For catalyst, use C1491 Care Catalyst or C1431 Care Catalyst Low VOC (see Mixing Section for details). For primers use W3709 Clawlock Primer, W120829 Clawlock II High Solids Primer or W122529 Level Primer.					

Physical Properties (packaged)	
Weight per Gallon:	8.90 ± 0.3 lbs.
Viscosity F/C4 at 77°F/25°C:	35 ± 5 seconds
% Solids - by Weight:	52.0 ± 2
% Solids - by Volume:	40.0 ± 2
Theoretical Coverage at 1 Mil Dry: (Coverage figures DO NOT INCLUDE spray loss. Also allow for surface irregularities and porosity of wood surface to be finished.)	650 ± 10 sq. ft. per gallon
Flash Point (PMCC):	25°F or -3.9°C
Color:	White Opaque Base
Sheen (60° Glossmeter):	10 Sheen ± 2, Dull 15 ± 2, 25 Sheen ± 2 Satin 35 ± 2, Semi-Gloss 65 ± 2, Gloss 80+
Packaged VOC: (Check label or MSDS for VOC by sheen)	481 ± 5 g/l or 4.01 lb/gal
Photo-chemically Reactive:	No

Surface Preparation	
New Work:	Remove any dirt, grease or other contamination and sand as required.
Old Work:	Strip old finishes completely and remove all contaminants from the surface. Make sure surface is dry. Finish as new work.

Reduction

For most spray equipment, reduce 5% with Care Reducer C1621 or Std. Lacquer Thinner C16036

Tinting

Turino Pigmented Conversion Varnish is supplied in controlled tint strength and can be tinted with up to 8 ounces of colorant with ML Campbell IC800 series Industrial Colorants. The use of excessive colorant will weaken the film integrity. DO NOT tint with colorants that contain Glycol.

Mixing

Turino Pigmented Conversion Varnish has been developed to start its cross-linking (drying) with the addition of Care Catalyst:

- Use 10% C1491 Care Catalyst **or** 5% C1431 Care Catalyst Low VOC

Always add and mix the catalyst thoroughly before any reduction and application. No waiting period (sweating in time) is necessary before using this product. After catalyzation and reduction, Turino Pigmented Conversion Varnish has a pot life (usable time) of twenty-four hours. Be careful not to sand through the base coat before recoating.

Application Procedure

Post-catalyzed type coatings develop very durable finishes but require controlled application procedures. An excellent long lasting finish can be developed by applying, one or two coats of Turino Pigmented Conversion Varnish over one or two coats of W3709 Clawlock Primer, W120829 Clawlock II High Solids Primer or W122529 Level Primer. For maximum holdout and to achieve the highest level of gloss when using Turino Pigmented Conversion Varnish Gloss, use W122529 Level Primer.

Use one or two coats of Turino Pigmented Conversion Varnish over primed surface. Always agitate thoroughly before application. The second coat should be applied after complete drying of the previous coat. Sand between coats using 280-320 grit sand paper. Always sand prior to recoating. The total dry film build should be at least 2.5 mils and should not exceed 5 dry mils. Turino Pigmented Conversion Varnish should be applied when temperatures in the spray room are at a minimum of 68°F or 20° C.

When spraying the product using a HVLP cup gun or an air assisted airless pump, use a 1.4 tip for optimum flow and workability. It is also recommended to use 30 lbs atomizing air pressure and 420 lbs fluid pressure to achieve maximum results. Note: Fluid pressure and air pressure settings are dependent on the size and type (ratio) of AAA pump used.

CV White/Opaque Base can be used self-sealing if required.

Refer to spray equipment supplier' recommendations for fine lacquer atomizing spray guns, air caps, and fluid needles.

Note: Hot spray application is not recommended. If hot spray equipment is used, temperature settings should never be over 110°F or 43°C.

Equipment Clean Up

- Use lacquer thinner or VC16936 Fast Reducer VOC Exempt to clean up all equipment.
- Dispose of dirty solvent and cleaning rags in a safe and approved manner.
- Solvent or lacquer-soaked rags should be stored in water-filled, closed containers prior to disposal.

Drying Times (at 77°F or 25°C)	
Dry to Touch:	15 - 20 minutes
Sanding Dry:	30 - 40 minutes
Stacking Dry:	4 to 6 hours

Packaging/Shipping	
Available Units:	Gallons and Pails

Shelf Life and Storage

- Package life is 36 months - Store in cool dry areas in original sealed containers.
- Do not store around any source of flame or sparks.
- Spills should be cleaned up with non-sparking tools and inert absorbent material.

DOT Classification		
Flammable liquid	Red label	UN1263

B/L Description			
Paint	UN1263	3	PGII

Caution

- **FOR INDUSTRIAL SHOP APPLICATION ONLY.**
- Use only after all safety information is understood.
- Refer to the Material Safety Data Sheet (MSDS) for additional information.

Testing

Due to the wide variety of substrates, surface preparation methods, application methods, and environments, customers should test the complete system for adhesion and compatibility under their conditions prior to full-scale application.

Notes

The information, rating, and options stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application that are not known or under our control, M.L. Campbell cannot make any warranties as to the end result. *Thank you for using M.L. Campbell Wood Finishing products.*