

## SURFACE TREATMENTS

### PAINTS AND STAINS

For most applications, Maplex should be finished to protect it from moisture, stains, and abrasion. As with any wood or fiber product, surface coatings help protect Maplex against stains, abrasion, and changes in humidity. When handling uncoated Maplex, check that all work surfaces are clean and dry to avoid staining the material.

Finishes that complement the environmentally friendly nature of Maplex and its VOC Free profile is our first choice. We are happy to recommend Vermont Natural Coatings® (USA) [www.vermontnaturalcoatings.com/](http://www.vermontnaturalcoatings.com/) and Boehme (Switzerland) <https://www.boehme.ch/de/> products for you to consider. We also would suggest considering powder coating technology ImFuse by Covestro <https://solutions.covestro.com/en/brands/imfuse>.

Many wood finishing products, such as linseed oil, carnauba wax, acrylics, and urethanes, are suitable for Maplex. Wood stains and paint can be applied to Maplex as well. However, finishing products that contain a high percentage of water may cause Maplex to warp. Among water-based sealers, we suggest trying Dynaseal by Vermont Natural Coatings® (USA) [www.vermontnaturalcoatings.com/](http://www.vermontnaturalcoatings.com/) which performed well on Maplex.

Please test all staining and finishing products on scrap pieces before proceeding with the final application. Applying finishes with a sprayer generally yields better results than brush applications.

Maplex coated with finishes containing only natural ingredients can be composted or collected as “green waste” at the end of a product’s useful life. The application of synthetic finishing products makes it difficult or impossible to recycle Maplex.



### LAMINATES AND PRINTING

Maplex can be covered with decorative materials such as veneers, HPLs, foils and papers. Maplex surface is also suitable for printing.

Maplex P – Flatboard

<b>MANUFACTURER</b>		<b><u>Vermont Natural Coatings</u></b>	
<b>PRODUCT</b>	Hemp Oil	Hydro Lacquer PolyWhey	DynaSeal™ One Step Wood Protector
<b>TYPE</b>	Oil Finish	Reactive Sealer	Nanotechnology Sealer
<b>BASE</b>	All natural hemp oil	Decovery - plant based resin	Water Based
<b>FINISH / GLOSS</b>	Matte	Oil Tone	Clear
<b>CLARITY WET / DRY</b>	Yellowish Brown / Translucent	Milky liquid / Crystal Clear	Milky white / Crystal Clear
<b>WATER RESISTANCE</b>	x	x	x
<b>FLAME RESISTANCE</b>	NA	x	Fire Rating B
<b>FLASH POINT</b>	> 100 C	none	none
<b>VOC</b>	<b>Zero VOC</b> less than 5 g/L	<b>Ultra Low VOC</b> Coating: ≤250g/L (wet) Material: ≤18g/L (dry)	<b>Ultra Low VOC</b> Coating: ≤2 g/L
<b>APPLICATION</b>	2-3 coats	2 coats - Hydro Laquer & 2 coats - any PolyWhey coating	1 - 2 coats
<b>APPLICATION TECHNIQUE</b>	Brush, painter's pad or cloth	Brush, T-bar, painter's pad, roller or spray gun	Brush, pad, pump-up garden sprayer, air-assisted and or airless sprayer
<b>COVERAGE PER GALLON</b>	500-600 sq. ft	500-600 sq. ft	200-300 sq.ft
<b>CERTIFICATION</b>	USDA Biobased Climate Cool	USDA Biobased Climate Cool Decovery	NA
<b>PRODUCT PROFILE PAGE</b>	<a href="#">Hemp Oil</a>	<a href="#">Hydro Lacquer PolyWhey with Decovery</a>	<a href="#">DynaSeal Wood Sealer Nanotechnology</a>

<b>MANUFACTURER</b>		<b><u>Vermont Natural Coatings</u></b>	
<b>PRODUCT</b>	Bomol	Hydro-Oil Primer	
<b>TYPE</b>	Wood Stain	Wood Stabilizer	
<b>BASE</b>	Natural Oil Waterborn Hybrid Stain	Hybrid Natural Oil	
<b>FINISH / GLOSS</b>	Matte	Clear Flat	
<b>CLARITY WET / DRY</b>	Color as per label / Semi-solid	Slightly yellow hue / semi-transparent	
<b>WATER RESISTANCE</b>	NA	x	
<b>FLAME RESISTANCE</b>	NA	NA	
<b>FLASH POINT</b>	none	none	
<b>VOC</b>	<b>Ultra Low VOC</b> Coating: ≤30 g/L	<b>Ultra Low VOC</b> Coating: ≤30 g/L	
<b>APPLICATION</b>	2 coats	1 coat - Hydro-Oil Primer & 1-2 coats - Ligno, Bomol, Terra Plus	
<b>APPLICATION TECHNIQUE</b>	Brush, pad, roller or spray	Brush, pad, roller or spray	
<b>COVERAGE PER GALLON</b>	250-350 sq.ft	300-400 sq.ft	
<b>CERTIFICATION</b>	NA	NA	
<b>PRODUCT PROFILE PAGE</b>	<a href="#">Bomol Wood Stain</a>	<a href="#">Hydro-Oil Primer Boehme</a>	