

Test Results for Log Home Builders and Owners

The following information is being made available for you and your customer's about MEN-WOOD Semi-Transparent Wood Finish.

Men-Wood Coatings (formerly Menco Log Home Supplies) and our Laboratory has done a two year comparison test with other brand name products. The results are as follows. Please take the time to read this report! Thank You.

TEST: MEN-WOOD SEMI-TRANSPARENT WOOD FINISH "Amber"

Developed in 1967 by one of the oldest and largest paint and stain companies in the USA. This formula being improved, with a new generation of additives, was introduced in 1977. This increased the transparent iron oxides for superior UV protection, and added special paraffin's for the finest water protection on the market today.

In 1986 Men-Wood Coatings started selling this product on the West Coast to home owners and builders. The product has been such a great success on siding, roofs, fences, plywood, decks, logs and all exterior wood products, that in 1989 we wanted to introduce MEN-WOOD to the log home industry. In 1989 Men-Wood Coatings went to our manufacturing plant, and with a team of chemists started working with two new additives, fungicide to fight against mold, mildew, and wood rot; and borate that is toxic to termites, powder post beetles and carpenter ants.

At the same time a two year test was conducted with MEN-WOOD #TT-08808MW against the following products:

1-1	BEHR Semitransparent Stain	
1-2	OLYMPIC Semitransparent Stain	
1-3	AQUATROL	(The Flood Co.)
1-4	C.W.F.	(The Flood Co.)
1-5	CEMGUARD	(Velvit Products Co.)
1-6	WOODGUARD	(The Chapman Chemical Co.)
1-7	RESINLOCK	(The Sashco Co.)
1-8	CETOL	(The Sikkens Co.)
1-9	LIFELINE	(Perma-Chink Systems)

The products were tested on a two foot length of cedar, exposed at 45 degrees south for two years, with periodic checks each month. It was noted at the time of application that most of the products tested, dried within 3 to 8 hours, and did not penetrate deeply into the porous substrate. Such a coating is far more susceptible to damage due to erosion, abrasion, and other light physical damage, as well as exposure to temperature extremes which can cause cracking and peeling.

The MEN-WOOD product, on the other hand, penetrates deeply into the porous substrate. It was found, following a drying time of 72 hours that MEN-WOOD produced thorough protection. It cannot be easily abraded off the substrate, since it becomes part of the substrate. This provides added protection from degradation due to U.V. exposure.

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TEST: (continued)

All nine of the competitors products started to show a rapid break down. 30% of the water protection was gone in 3 to 8 months. One product tested, lasted only 12 months. By the end of the first year, all nine products showed degradation to the wood, with an average of only 40% protection remaining on the substrate.

After a twelve month period all nine products showed cupping of the wood, splitting ends, discoloration and some peeling. After twenty four months all nine products averaged only 25% protection remaining on the substrate.

MEN-WOOD was tested along with the other nine products. After twelve months, MEN-WOOD displayed a resilient 97% degree of protection and a minimum degradation to the wood of only 5%.

After 24 months MEN-WOOD was sent to the U.S. Forestry Products Division Laboratories for testing. There results stated the MEN-WOOD;

- * "EXCEEDS ALL NATURAL OIL FINISH SPECIFICATIONS"
- * MEETS AND EXCEEDS ALL VOC MINIMUMS!
- * IS ENVIRONMENTALLY SAFE

TYPICAL ANALYSIS OF MEN-WOOD #TT-08808MW

BOILING POINT: 334 deg F	SPECIFIC GRAVITY (H2O=1): 0.95
VAPOR DENSITY: HEAVIER THAN AIR	EVAPORATION RATE: SLOWER THAN ETHER
COATING V.O.C.: 1.72 LB/GL (252 g/L)	SOLIDS BY WEIGHT: 77%
SOLUBILITY IN WATER: INSOLUBLE	
APPEARANCE AND ODOR: BROWN LIQUID WITH ALIPHATIC ODOR	

SECTION IV—FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 105Deg F	METHOD USED: T.C.C.
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 1.0% UPPER: 7.0%	
GLOSS: Flat to slight sheen (penetrates)	

*ZINC OXIDE (ZnO)

Zinc undergoes little change by the action of air and/or moisture. It is very stable on wood, insoluble in water, and is less liable to blacken with exposure to UV. This zinc additive along with MEN-WOODS transparent iron oxides give you superior U.V. protection unequaled in the industry.

NOTE: *This testing does not guarantee that all applications will experience the same results. No two applications are the same. Call Men-Wood Coatings for specific application and guidelines that will assist you, for your specific application.*

Since these test in 1991 the EPA has stopped the making of our insecticide additive, thus **Men-Wood** no longer has an insecticide. We sell an insecticide additive that you can add to the product. In 2000 Men-Wood Coatings became the manufacturer of **Men-Wood**. We use the best chemicals on the market to produce our **Men-Wood** product. In 2009 we outsourced our manufacturing to a manufacturing in Holland, MI. As of 2012 Menco Log Home Supplies is now Men-Wood Coatings and we again have improved our product and packaging.
