



# UNITED GILSONITE LABORATORIES

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Makers of DRYLOK® Masonry Waterproofer and ZAR® Wood Stains and Finishes

March 2010

## ZAR OIL BASE WOOD STAIN TINTING FORMULATION

### MATCHING: ZAR OIL BASE WOOD STAIN COLORS

#### SYSTEM: BLEND-A-COLOR USING 32 INCREMENTS PER FLUID OUNCE

**EXPLANATION OF NOTATION:** The amount of colorant to be added is listed in two columns under the container size. The first column under OZ. lists the number(s) of full fluid ounces of colorant to add. If a zero appears in this column, no full fluid ounces are added, only fractions of a fluid ounce. The second column under the heading 32, lists the number(s) of fractions, 32nds, of a fluid ounce to add. If a zero appears in this column, no fractions are added, only full fluid ounces. If you have any questions on these formulas please contact **UGL** at 1-800-845-5227 before starting to tint.

**IMPORTANT:** Due to the differences between the pigment used in the ready-mixed colors and those used in tinting systems, minor variations are possible. For this reason, store-tinted colors should **NOT** be used to complete a job started with ready-mixed colors or vice versa.

UGL can only control colors of their own manufacture. Therefore, we CANNOT guarantee that the formulas as indicated will be exact matches. Colors as listed represent our matches to color chips. It is advisable to PRE-DETERMINE the formulas, as being used, will provide the proper color match. UGL cannot assume any responsibility for any changes in shade that may occur.

#### COLORANTS

- Black
- Blue
- Green (New)
- Raw Umber (Raw Umb)
- Red (New)
- Red Oxide (R. Oxide)
- Magenta
- White
- Yellow
- Yellow Oxide (Y. Oxide)

109 COLONIAL PINE						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Black	0	8	Black	1	0			
Red Oxide	0	5	Red Oxide	0	20			
Yellow Oxide	0	31	Yellow Oxide	3	28			

110 SALEM MAPLE						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Red Oxide	0	6	Red Oxide	0	24			
Umber	1	0	Umber	4	0			
Yellow Oxide	0	30	Yellow Oxide	3	24			

111 WALNUT						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Red Oxide	0	2.5	Red Oxide	0	10			
Umber	1	3	Umber	4	12			
White	0	14	White	1	24			
Yellow Oxide	1	6	Yellow Oxide	4	24			

113 FRUITWOOD						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Red Oxide	0	2.5	Red Oxide	0	10			
Umber	0	28	Umber	3	16			
White	0	3	White	0	12			
Yellow Oxide	1	8	Yellow Oxide	5	0			

114 PROVINCIAL						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Red Oxide	0	4	Red Oxide	0	16			
Umber	1	0	Umber	4	0			
Yellow Oxide	0	24	Yellow Oxide	3	0			

115 MODERN WALNUT						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Black	0	28	Black	3	16			
Red Oxide	0	14	Red Oxide	1	24			
Yellow Oxide	1	16	Yellow Oxide	6	0			

116 CHERRY						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Red Oxide	0	11	Red Oxide	1	12			
Umber	1	12	Umber	5	16			
Yellow Oxide	0	19	Yellow Oxide	2	12			

117 HONEY MAPLE						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Red Oxide	0	3	Red Oxide	0	12			
Umber	0	14	Umber	1	24			
White	0	20	White	2	16			
Yellow Oxide	0	22	Yellow Oxide	2	24			

118 DARK MAHOGANY						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Black	0	31	Black	3	28			
Red Oxide	0	27	Red Oxide	3	12			
Yellow Oxide	0	10	Yellow Oxide	1	8			

119 MOCHA (FORMERLY CALLED DANISH WALNUT)						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Black	1	8	Black	5	0			
Red Oxide	0	9	Red Oxide	1	4			
Yellow Oxide	0	14	Yellow Oxide	1	24			

120 TEAK NATURAL						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Black	0	11	Black	1	12			
Red Oxide	0	10	Red Oxide	1	8			
Yellow Oxide	1	22	Yellow Oxide	6	24			

121 BLACK ONYX						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Black	1	16	Black	6	0			
Yellow Oxide	0	9	Yellow Oxide	1	4			
White	0	9	White	1	4			

122 MEDITERRANEAN						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Black	1	2	Black	4	8			
Red Oxide	0	7	Red Oxide	0	28			
Yellow Oxide	0	22	Yellow Oxide	2	24			

123 MOORISH TEAK						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Black	1	10	Black	5	8			
Red Oxide	0	16	Red Oxide	2	0			
Yellow Oxide	0	10	Yellow Oxide	1	8			

124 ROSEWOOD						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Black	0	28	Black	3	16			
Red Oxide	0	16	Red Oxide	2	0			

125 BLACK WALNUT						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Black	1	2	Black	4	8			
Red Oxide	0	7	Red Oxide	0	28			
Yellow Oxide	0	20	Yellow Oxide	2	16			

126 CHESTNUT						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Red Oxide	0	1.5	Red Oxide	0	6			
Umber	0	22	Umber	2	24			
Yellow Oxide	0	24	Yellow Oxide	3	0			

127 GOLDEN OAK						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Red Oxide	0	1	Red Oxide	0	4			
Umber	0	14	Umber	1	24			
White	0	14	White	1	24			
Yellow Oxide	1	4	Yellow Oxide	4	16			

128 EARLY AMERICAN						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Black	0	17	Black	2	4			
Red Oxide	0	16	Red Oxide	2	0			
Yellow Oxide	1	18	Yellow Oxide	6	8			

129 AMBER VARNISH (FORMERLY CALLED AGED VARNISH)						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Red Oxide	0	5	Red Oxide	0	20			
Umber	1	0	Umber	4	0			
Yellow Oxide	1	2	Yellow Oxide	4	8			

130 DRIFTWOOD						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Black	0	2.5	Black	0	10			
Red Oxide	0	0.5	Red Oxide	0	2			
White	1	0	White	4	0			
Yellow Oxide	0	4	Yellow Oxide	0	16			

135 CHARCOAL						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Black	1	20	Black	6	16			
Red Oxide	0	6	Red Oxide	0	24			

136 ENGLISH WALNUT						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Black	0	24	Black	3	0			
Red Oxide	0	6	Red Oxide	0	24			
Yellow Oxide	0	30	Yellow Oxide	3	24			

137 WHITE OAK						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	32'S	COLOR.	OZS.	32'S	COLOR.	OZS.	32'S
Red Oxide	0	1	Red Oxide	0	4			
Umber	0	20	Umber	2	16			
White	0	15	White	1	28			
Yellow Oxide	1	10	Yellow Oxide	5	8			

