

February 2010

**ZAR ULTRA MAX WOOD STAIN TINTING FORMULATION**

**MATCHING: ZAR OIL- BASED WOOD STAIN COLORS**

**SYSTEM: CCA USING 48 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 48, lists the number(s) of fractions, 48ths, 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**

- AX – Exterior Yellow
- B - Lamp Black
- C - Yellow Oxide
- D – Thalo Green
- E – Thalo Blue
- F – Red Iron Oxide
- GX - Perma-Cal Orange
- I – Brown Iron Oxide
- KX – Titanium Dioxide
- L – Raw Umber
- M - Magenta
- R – Exterior red

109 COLONIAL PINE						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	0	16	B	1	16			
C	1	0	C	4	0			
F	0	9	F	0	36			

110 SALEM MAPLE						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
C	1	0	C	4	0			
F	0	9	F	0	36			
L	1	16	L	5	16			

111 WALNUT						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
C	1	8	C	4	32			
F	0	5.5	F	0	22			
L	1	28	L	6	16			

113 FRUITWOOD						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
C	1	24	C	6	0			
F	0	5	F	0	20			
L	1	10	L	4	40			
KX	0	6	KX	0	24			

114 PROVINCIAL						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
C	1	0	C	4	0			
F	0	8.5	F	0	34			
L	1	12	L	5	0			

115 MODERN WALNUT						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	0	38	B	3	8			
C	1	13	C	5	4			
F	0	21	F	1	36			

116 CHERRY						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
C	1	0	C	4	0			
F	0	22	F	1	40			
L	1	26	L	6	8			

117 HONEY MAPLE						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
C	1	0	C	4	0			
F	0	6	F	0	24			
L	0	24	L	2	0			
KX	1	12	KX	5	0			

118 DARK MAHOGANY						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	1	14	B	5	8			
C	0	18	C	1	24			
F	1	12	F	5	0			

119 MOCHA (DANISH WALNUT)						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	1	30	B	6	24			
C	0	22	C	1	40			
F	0	22	F	1	40			

120 TEAK NATURAL						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	0	24	B	2	0			
C	1	30	C	6	24			
F	0	20	F	1	32			

121 BLACK ONYX						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	2	12	B	9	0			

122 MEDITERRANEAN						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	1	26	B	6	8			
C	0	24	C	2	0			
F	0	18	F	1	24			

123 MOORISH TEAK						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	1	46	B	7	40			
C	0	6	C	0	24			
F	0	40	F	3	16			

124 ROSEWOOD						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	1	24	B	6	0			
F	1	8	F	4	32			

125 BLACK WALNUT						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	1	30	B	6	24			
C	0	39	C	3	12			
F	0	20	F	1	32			

126 CHESTNUT						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
C	1	0	C	4	0			
F	0	4.5	F	0	18			
L	0	34	L	2	40			

127 GOLDEN OAK						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
C	1	24	C	6	0			
F	0	3.5	F	0	14			
L	0	22	L	1	40			
KX	0	24	KX	2	0			

128 EARLY AMERICAN						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	0	30	B	2	24			
C	1	24	C	6	0			
F	0	30	F	2	24			

129 AMBER VARNISH (AGED VARNISH)						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
C	0	44	C	3	32			
F	0	7.5	F	0	30			
L	0	36	L	3	0			

130 DRIFTWOOD						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	0	5.5	B	0	22			
C	0	6	C	0	24			
I	0	2	I	0	8			
KX	1	32	KX	6	32			

135 CHARCOAL						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	2	24	B	10	0			
F	0	12	F	1	0			

136 ENGLISH WALNUT						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	1	10	B	4	40			
C	1	16	C	5	16			
F	0	13	F	1	4			

137 WHITE OAK						196 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
C	1	30	C	6	24			
F	0	3	F	0	12			
L	0	33	L	2	36			
KX	0	32	KX	2	32			

