

JANUARY 2010

ZAR OIL BASE WOOD STAIN TINTING FORMULATION

MATCHING: MINWAX OIL BASE 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
- R – Exterior red

209 NATURAL						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
C	1	20	C	5	32			
F	0	1	F	0	4			
L	0	18	L	1	24			
KX	0	44	KX	3	32			

210B GOLDEN OAK						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
C	1	40	C	7	16			
F	0	1.5	F	0	6			
L	0	18	L	1	24			
KX	0	10	KX	0	40			

211 PROVINCIAL						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	0	14	B	1	8			
C	2	0	C	8	0			
F	0	4	F	0	16			

215 RED OAK						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	0	23	B	1	44			
C	0	42	C	3	24			
F	0	28	F	2	16			

218 PURITAN PINE						145 OR 169 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	F	0	12			
L	0	25	L	2	4			

221 IPSWICH PINE						145 OR 169 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	F	0	12			
L	0	15	L	1	12			
KX	0	16	KX	1	16			

222 SEDONA RED						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	0	15	B	1	12			
C	0	16	C	1	16			
F	0	40	F	3	16			

223 COLONIAL MAPLE						145 OR 169 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	14	F	1	8			
L	0	25	L	2	4			
KX	0	19	KX	1	28			

224 SPECIAL WALNUT						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	0	40	B	3	16			
C	1	40	C	7	16			
F	0	12	F	1	0			

225 RED MAHOGANY						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	1	1	B	4	4			
C	0	40	C	3	16			
F	0	43	F	3	28			

230 EARLY AMERICAN						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	0	20	B	1	32			
C	1	16	C	5	16			
F	0	6	F	0	24			

231 GUNSTOCK						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	0	20	B	1	32			
C	1	12	C	5	0			
F	0	27	F	2	12			

232 RED CHESTNUT						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	0	26	B	2	8			
C	0	36	C	3	0			
F	0	31	F	2	28			

233 ENGLISH CHESTNUT						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	0	21	B	1	36			
C	1	20	C	5	32			
F	0	20	F	1	32			

235 CHERRY						145 OR 169 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	1	0	L	4	0			

241 FRUITWOOD						145 OR 169 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	2	F	0	8			
L	0	43	L	3	28			

245 GOLDEN PECAN						145 OR 169 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	F	0	12			
L	0	16	L	1	16			

260 PICKLED OAK						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
C	0	12	C	1	0			
I	0	1	I	0	4			
KX	2	32	KX	10	32			

2126 DRIFTWOOD						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	0	10	B	0	40			
C	1	16	C	5	16			
F	0	1	F	0	4			
KX	0	16	KX	1	16			

2716 DARK WALNUT						145 OR 169 TINT BASE		
QUART			GALLON			5 GALLON		
COLOR.	OZS.	48'S	COLOR.	OZS.	48'S	COLOR.	OZS.	48'S
B	0	46	B	3	40			
C	1	16	C	5	16			
F	0	7	F	0	28			

