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REVISED APRIL 2022

ZAR® OIL BASE WOOD STAIN TINTING FORMULATION

MATCHING: ZAR® OIL BASE WOOD STAIN TINTING FORMULATION
SYSTEM: **True Value GPM** 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

- AXZ** – Exterior Yellow
- BZ**- Lamp Black
- CZ** - Yellow Oxide
- DZ**– Thalo Green
- EZ** – Thalo Blue
- FZ** – Red Iron Oxide
- VZ** - Magenta
- IZ** – Brown Iron Oxide
- KXZ** – Titanium Dioxide
- LZ** – Raw Umber
- RZ** – Exterior Red



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110 SALEM MAPLE

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
CZ- Yellow Oxide	0	13	0	CZ- Yellow Oxide	1	4	0				
FZ- Red Iron Oxide	0	3	4	FZ- Red Iron Oxide	0	14	0				
IZ- Brown Iron Oxide	0	10	0	IZ- Brown Iron Oxide	0	40	0				
LZ- Raw Umber	0	8	0	LZ- Raw Umber	0	32	0				

111 WALNUT

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
BZ- Lamp Black	0	6	0	BZ- Lamp Black	0	24	0				
CZ- Yellow Oxide	0	22	0	CZ- Yellow Oxide	1	40	2				
FZ- Red Iron Oxide	0	4	3	FZ- Red Iron Oxide	0	17	2				

115 AGED BOURBON

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
BZ- Lamp Black	0	7	0	BZ- Lamp Black	0	28	0				
CZ- Yellow Oxide	0	17	0	CZ- Yellow Oxide	1	20					
FZ- Red Iron Oxide	0	6	4	FZ- Red Iron Oxide	0	26	0				
KXZ- Titanium Dioxide	0	16	0	KXZ- Titanium Dioxide	1	16	0				

117 HONEY MAPLE

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
CZ - Yellow Oxide	0	1	6	CZ - Yellow Oxide	0	6	7				
FZ- Red Iron Oxide	0	0	6	FZ- Red Iron Oxide	0	3	0				
LZ - Raw Umber	0	10	0	LZ - Raw Umber	0	40	0				
KXZ -White	0	3	3	KXZ -White	0	13	2				

119 MOCHA

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
BZ- Lamp Black	0	39	0	BZ- Lamp Black	3	12	0				
CZ- Yellow Oxide	0	42	0	CZ- Yellow Oxide	3	24	0				

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M:\Color Matching formulations True Value GPM

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FZ- Red Iron Oxide	0	16	0	FZ- Red Iron Oxide	1	16	0
LZ- Raw Umber	0	10	0	LZ- Raw Umber	0	40	0

120 PREMIUM TEAK

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
BZ- Lamp Black	0	2	4	BZ- Lamp Black	0	10	0				
CZ- Yellow Oxide	0	20	0	CZ- Yellow Oxide	1	32	0				
FZ- Red Iron Oxide	0	4	4	FZ- Red Iron Oxide	0	18	0				
KXZ- Titanium Dioxide	0	6	0	KXZ- Titanium Dioxide	0	24	0				

121 BABY GRAND

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
BZ- Lamp Black	4	40	0	BZ- Lamp Black	19	16	0				

123 DARK CHOCOLATE TRUFFLE

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
BZ- Lamp Black	1	42	0	BZ- Lamp Black	7	24	0				
CZ- Yellow Oxide	0	7	0	CZ- Yellow Oxide	0	28	0				
FZ- Red Iron Oxide	0	27	3	FZ- Red Iron Oxide	2	12	0				

126 CHESTNUT

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
BZ- Lamp Black	0	8	4	BZ- Lamp Black	0	34	0				
CZ- Yellow Oxide	1	0	0	CZ- Yellow Oxide	4	0	0				
FZ- Red Iron Oxide	0	7	4	FZ- Red Iron Oxide	0	30	0				
IZ- Brown Iron Oxide	0	15	0	IZ- Brown Iron Oxide	1	12	0				

127 GOLDEN SUNSET

145 TINT BASE



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Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
CZ- Yellow Oxide	0	25	0	CZ- Yellow Oxide	2	4	0				
FZ- Red Iron Oxide	0	1	0	FZ- Red Iron Oxide	0	4	0				
LZ- Raw Umber	0	15	0	LZ- Raw Umber	1	12	0				
KXZ- Titanium Dioxide	0	13	0	KXZ- Titanium Dioxide	1	4	0				

128 MINK

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
BZ- Lamp Black	0	10	0	BZ- Lamp Black	0	40	0				
CZ- Yellow Oxide	0	32	0	CZ- Yellow Oxide	2	32	0				
FZ- Red Iron Oxide	0	13	0	FZ- Red Iron Oxide	1	4	0				

129 VINTAGE MODERN

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
BZ- Lamp Black	0	1	4	BZ- Lamp Black	0	6	0				
CZ- Yellow Oxide	2	0	0	CZ- Yellow Oxide	8	0	0				
RZ- Exterior Red	0	5	0	RZ- Exterior Red	0	20	0				

135 BLACK CAVIAR

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
BZ- Lamp Black	0	12	0	BZ- Lamp Black	1	0	0				
CZ- Yellow Oxide	0	19	0	CZ- Yellow Oxide	1	28	0				
LZ- Raw Umber	1	6	0	LZ- Raw Umber	4	24	0				
KXZ- Titanium Dioxide	0	14	0	KXZ- Titanium Dioxide	1	8	0				

138 SPANISH OAK

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
BZ- Lamp Black	0	2	5	BZ- Lamp Black	0	10	5				
CZ- Yellow Oxide	0	45	1	CZ- Yellow Oxide	3	36	4				
FZ- Red Iron Oxide	0	4	4	FZ- Red Iron Oxide	0	18	0				

139 BEACH HOUSE

145 TINT BASE



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Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
BZ- Lamp Black	0	0	4	BZ- Lamp Black	0	2	0				
CZ- Yellow Oxide	0	1	0	CZ- Yellow Oxide	0	4	0				
IZ- Brown Iron Oxide	0	0	4	IZ- Brown Iron Oxide	0	2	0				
KXZ- Titanium Dioxide	2	32	0	KXZ- Titanium Dioxide	10	32	0				

170 SILK GRAY

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
BZ- Lamp Black	0	6	0	BZ- Lamp Black	0	24	0				
KXZ- Titanium Dioxide	0	16	0	KXZ- Titanium Dioxide	1	16	0				

171 MALIBU GRAY

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
BZ- Lamp Black	0	9	0	BZ- Lamp Black	0	36	0				
KXZ- Titanium Dioxide	0	12	0	KXZ- Titanium Dioxide	1	0	0				

503 OILED LEATHER

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
BZ- Lamp Black	1	46	0	BZ- Lamp Black	7	40	0				
CZ- Yellow Oxide	0	23	0	CZ- Yellow Oxide	1	44	0				
IZ- Brown Iron Oxide	0	6	0	IZ- Brown Iron Oxide	0	24	0				
KXZ- Titanium Dioxide	0	10	0	KXZ- Titanium Dioxide	0	40	0				

504 GRAY CASHMERE

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
BZ- Lamp Black	0	6	0	BZ- Lamp Black	0	24	0				
CZ- Yellow Oxide	0	2	0	CZ- Yellow Oxide	0	8	0				
KXZ- Titanium Dioxide	0	8	0	KXZ- Titanium Dioxide	0	32	0				

508 CHAMPAGNE

145 TINT BASE



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Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
CZ- Yellow Oxide	0	6	0	CZ- Yellow Oxide	0	24	0				
IZ- Brown Iron Oxide	0	0	4	IZ- Brown Iron Oxide	0	2	0				
LZ- Raw Umber	0	2	0	LZ- Raw Umber	0	8	0				
KXZ- Titanium Dioxide	0	12	0	KXZ- Titanium Dioxide	1	0	0				

509 BLUE MOON

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
EZ- Thalo Blue	0	42	0	EZ- Thalo Blue	3	24	0				
LZ- Raw Umber	1	20	0	LZ- Raw Umber	5	32	0				
KXZ- Titanium Dioxide	0	12	0	KXZ- Titanium Dioxide	1	4	0				

517 MOROCCAN RED

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
BZ- Lamp Black	0	18	0	BZ- Lamp Black	1	24	0				
FZ- Red Iron Oxide	1	5	0	FZ- Red Iron Oxide	4	20	0				
VZ- Magenta	0	4	0	VZ- Magenta	0	16	0				

518 EXOTIC REDWOOD

145 TINT BASE

Quart Formula				Gallon Formula				Five Gallon Formula			
Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8	Colorant	OZS.	48s	1/8
BZ- Lamp Black	0	42	0	BZ- Lamp Black	3	24	0				
FZ- Red Iron Oxide	2	0	0	FZ- Red Iron Oxide	8	0	0				
VZ- Magenta	0	1	0	VZ- Magenta	0	4	0				