

DECEMBER 2013

ZAR DECK AND SIDING STAIN TINTING FORMULATION

MATCHING: ZAR SOLID DECK AND SIDING STAIN COLORS

SYSTEM: **VALSPAR (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

AXN - Exterior Yellow
B - Lamp Black
C - Yellow Oxide
D - Thalo Green
E - Thalo Blue
F- Red Iron Oxide
I – Brown Iron Oxide
KX - Titanium Dioxide
L - Raw Umber
M – Magenta
S – Exterior Red
T – Medium Yellow

ZAR SOLID DECK & SIDING STAIN COLORS – VALSPAR (CCA)

BEECHWOOD GRAY 894

811 MEDIUM BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	18	B – Lamp Black	1	24	B – Lamp Black	7	24
C – Yellow Oxide	0	21	C – Yellow Oxide	1	36	C – Yellow Oxide	8	36
F – Red Iron Oxide	0	2	F – Red Iron Oxide	0	8	F – Red Iron Oxide	0	40

BEIGE 885

811 MEDIUM BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
C – Yellow Oxide	0	15.5	C – Yellow Oxide	1	14	C – Yellow Oxide	6	22
I – Brown Iron Oxide	0	4.5	I – Brown Iron Oxide	0	18	I – Brown Iron Oxide	1	42
L – Raw Umber	0	13.5	L – Raw Umber	1	6	L – Raw Umber	5	30

BLACK CANYON 878

812 DARK BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	2	10	B – Lamp Black	8	40	B – Lamp Black	44	8
I – Brown Iron Oxide	0	1	I – Brown Iron Oxide	0	4	I – Brown Iron Oxide	0	20

BUTTERNUT 892

812 DARK BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
AXN – Ext. Yellow	0	36.5	AXN – Ext. Yellow	3	2	AXN – Ext. Yellow	15	10
D – Thalo Green	0	3.5	D – Thalo Green	0	14	D – Thalo Green	1	22
I – Brown Iron Oxide	0	30	I – Brown Iron Oxide	2	24	I – Brown Iron Oxide	12	24
KX – Titanium Dioxide	0	21	KX – Titanium Dioxide	1	36	KX – Titanium Dioxide	8	36

CALIFORNIA RUSTIC 890

812 DARK BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
AXN – Ext. Yellow	0	12	AXN – Ext. Yellow	1	0	AXN – Ext. Yellow	5	0
F – Red Iron Oxide	0	26	F – Red Iron Oxide	2	8	F – Red Iron Oxide	10	40
KX – Titanium Dioxide	0	17	KX – Titanium Dioxide	1	20	KX – Titanium Dioxide	7	4
L – Raw Umber	0	34	L – Raw Umber	2	40	L – Raw Umber	14	8

ZAR SOLID DECK & SIDING STAIN COLORS – VALSPAR (CCA)

CAPE COD GRAY 877

810 LIGHT BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	18	B – Lamp Black	1	24	B – Lamp Black	7	24
C – Yellow Oxide	0	4	C – Yellow Oxide	0	16	C – Yellow Oxide	1	32
I – Brown Iron Oxide	0	2.5	I – Brown Iron Oxide	0	10	I – Brown Iron Oxide	1	2

CEDARWOOD 882

811 MEDIUM BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	6.5	B – Lamp Black	0	26	B – Lamp Black	2	34
C – Yellow Oxide	1	13	C – Yellow Oxide	5	4	C – Yellow Oxide	25	20
F – Red Iron Oxide	0	8.5	F – Red Iron Oxide	0	34	F – Red Iron Oxide	3	26

CHOCOLATE 872

812 DARK BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	15	B – Lamp Black	1	12	B – Lamp Black	6	12
C – Yellow Oxide	0	36	C – Yellow Oxide	3	0	C – Yellow Oxide	15	0
I – Brown Iron Oxide	0	32	I – Brown Iron Oxide	2	32	I – Brown Iron Oxide	13	16
KX – Titanium Dioxide	0	12	KX – Titanium Dioxide	1	0	KX – Titanium Dioxide	5	0

COLONIAL YELLOW 875

811 MEDIUM BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
C – Yellow Oxide	1	26	C – Yellow Oxide	6	8	C – Yellow Oxide	30	40
L – Raw Umber	0	13	L – Raw Umber	1	4	L – Raw Umber	5	20

DEEP CHARCOAL 891

812 DARK BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	27	B – Lamp Black	2	12	B – Lamp Black	11	12
D – Thalo Green	0	0.5	D – Thalo Green	0	2	D – Thalo Green	0	10
KX – Titanium Dioxide	0	12	KX – Titanium Dioxide	1	0	KX – Titanium Dioxide	5	0
L – Raw Umber	0	7	L – Raw Umber	0	28	L – Raw Umber	2	44

ZAR SOLID DECK & SIDING STAIN COLORS – VALSPAR (CCA)

DEEP DESERT SAND 849

811 MEDIUM BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	12.5	B – Lamp Black	1	2	B – Lamp Black	5	10
C – Yellow Oxide	0	19.5	C – Yellow Oxide	1	30	C – Yellow Oxide	8	6
F – Red Iron Oxide	0	0.5	F – Red Iron Oxide	0	2	F – Red Iron Oxide	0	10
S – Exterior Red	0	6	S – Exterior Red	0	24	S – Exterior Red	2	24

DESERT SAND 879

811 MEDIUM BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
C – Yellow Oxide	0	9	C – Yellow Oxide	0	36	C – Yellow Oxide	3	36
F – Red Iron Oxide	0	2	F – Red Iron Oxide	0	8	F – Red Iron Oxide	0	40
L – Raw Umber	0	30	L – Raw Umber	2	24	L – Raw Umber	12	24

FAWN 869

811 MEDIUM BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	7	B – Lamp Black	0	28	B – Lamp Black	5	44
I – Brown Iron Oxide	0	18	I – Brown Iron Oxide	1	24	I – Brown Iron Oxide	7	24
T – Medium Yellow	0	35	T – Medium Yellow	2	44	T – Medium Yellow	14	28

GEORGETOWN GRAY 893

811 MEDIUM BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	21	B – Lamp Black	1	36	B – Lamp Black	8	36
D – Thalo Green	0	9.5	D – Thalo Green	0	38	D – Thalo Green	3	46
L – Raw Umber	0	14	L – Raw Umber	1	8	L – Raw Umber	5	40

HUNTER GREEN 874

812 DARK BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
AXN – Ext. Yellow	0	16	AXN – Ext. Yellow	1	16	AXN – Ext. Yellow	6	32
D – Thalo Green	0	45	D – Thalo Green	3	36	D – Thalo Green	18	36
F – Red Iron Oxide	0	6	F – Red Iron Oxide	0	24	F – Red Iron Oxide	2	24
KX – Titanium Dioxide	0	5	KX – Titanium Dioxide	0	20	KX – Titanium Dioxide	2	4

ZAR SOLID DECK & SIDING STAIN COLORS – VALSPAR (CCA)

MAHOGANY 889

812 DARK BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	1	8	B – Lamp Black	4	32	B – Lamp Black	23	16
F – Red Iron Oxide	0	20	F – Red Iron Oxide	1	32	F – Red Iron Oxide	8	16
M – Magenta	0	35	M – Magenta	2	44	M – Magenta	14	28
KX – Titanium Dioxide	0	2	KX – Titanium Dioxide	0	8	KX – Titanium Dioxide	0	40

MANOR BROWN 871

812 DARK BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	44	B – Lamp Black	3	32	B – Lamp Black	18	16
C – Yellow Oxide	0	17.5	C – Yellow Oxide	1	22	C – Yellow Oxide	7	14
I – Brown Iron Oxide	0	22	I – Brown Iron Oxide	1	40	I – Brown Iron Oxide	9	8
KX – Titanium Dioxide	0	6	KX – Titanium Dioxide	0	24	KX – Titanium Dioxide	2	24

NAVAJO WHITE 884

810 LIGHT BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
C – Yellow Oxide	0	6	C – Yellow Oxide	0	24	C – Yellow Oxide	2	24
I – Brown Iron Oxide	0	0.5	I – Brown Iron Oxide	0	2	I – Brown Iron Oxide	0	10
L – Raw Umber	0	15.5	L – Raw Umber	1	14	L – Raw Umber	6	22

NEW PILGRIM RED 866

812 DARK BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	4	B – Lamp Black	0	16	B – Lamp Black	1	32
E – Thalo Blue	0	16	E – Thalo Blue	1	16	E – Thalo Blue	6	32
F – Red Iron Oxide	0	12	F – Red Iron Oxide	1	0	F – Red Iron Oxide	5	0
S – Exterior Red	0	44	S – Exterior Red	3	32	S – Exterior Red	18	16

PARCHMENT 867

810 LIGHT BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
C – Yellow Oxide	0	15	C – Yellow Oxide	1	12	C – Yellow Oxide	6	12
L – Raw Umber	0	4.5	L – Raw Umber	0	18	L – Raw Umber	1	42

ZAR SOLID DECK & SIDING STAIN COLORS – VALSPAR (CCA)

PILGRMI BLUE 881

811 MEDIUM BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	17	B – Lamp Black	1	20	B – Lamp Black	7	4
E – Thalo Blue	0	20	E – Thalo Blue	1	32	E – Thalo Blue	8	16

PLATINUM 883

810 LIGHT BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	3	B – Lamp Black	0	12	B – Lamp Black	1	12
C – Yellow Oxide	0	6	C – Yellow Oxide	0	24	C – Yellow Oxide	2	14
L – Raw Umber	0	17	L – Raw Umber	1	20	L – Raw Umber	7	4

PRAIRE GOLD 847

810 LIGHT BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
AXN – Ext. Yellow	0	15	AXN – Ext. Yellow	1	12	AXN – Ext. Yellow	6	12
C – Yellow Oxide	0	42	C – Yellow Oxide	3	24	C – Yellow Oxide	17	24
L – Raw Umber	0	12	L – Raw Umber	1	0	L – Raw Umber	5	0

PRAIRE YELLOW 880

810BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
AXN – Ext. Yellow	0	22.5	AXN – Ext. Yellow	1	42	AXN – Ext. Yellow	9	18
C – Yellow Oxide	0	8.5	C – Yellow Oxide	0	34	C – Yellow Oxide	3	26
L – Raw Umber	0	11	L – Raw Umber	0	44	L – Raw Umber	4	28

SABLE 876

812 DARK BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	14	B – Lamp Black	1	8	B – Lamp Black	5	40
C – Yellow Oxide	0	12	C – Yellow Oxide	1	0	C – Yellow Oxide	5	0
F – Red Iron Oxide	0	14	F – Red Iron Oxide	1	8	F – Red Iron Oxide	5	40

ZAR SOLID DECK & SIDING STAIN COLORS – VALSPAR (CCA)

SAGE 846

811 MEDIUM BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	9	B – Lamp Black	0	36	B – Lamp Black	3	36
C – Yellow Oxide	0	14	C – Yellow Oxide	1	8	C – Yellow Oxide	5	40
D – Thalo Green	0	2	D – Thalo Green	0	8	D – Thalo Green	0	40
S – Exterior Red	0	1	S – Exterior Red	0	4	S – Exterior Red	0	20

SALEM TAN 887

811 MEDIUM BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	2	B – Lamp Black	0	8	B – Lamp Black	0	40
C – Yellow Oxide	0	11	C – Yellow Oxide	0	44	C – Yellow Oxide	4	28
F – Red Iron Oxide	0	0.5	F – Red Iron Oxide	0	2	F – Red Iron Oxide	0	10

SANDPIPER 886

811 MEDIUM BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	5	B – Lamp Black	0	20	B – Lamp Black	2	4
C – Yellow Oxide	0	11	C – Yellow Oxide	0	44	C – Yellow Oxide	4	28
F – Red Iron Oxide	0	0.5	F – Red Iron Oxide	0	2	F – Red Iron Oxide	0	10

SEAFOAM 888

811 MEDIUM BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
I – Brown Iron Oxide	0	3.5	I – Brown Iron Oxide	0	14	I – Brown Iron Oxide	1	22
C – Yellow Oxide	0	27	C – Yellow Oxide	2	12	C – Yellow Oxide	11	12
E – Thalo Blue	0	14	E – Thalo Blue	1	8	E – Thalo Blue	5	40

SIERRA REDWOOD 873

812 DARK BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
E – Thalo Blue	0	10	E – Thalo Blue	0	40	E – Thalo Blue	4	8
F – Red Iron Oxide	0	25	F – Red Iron Oxide	2	4	F – Red Iron Oxide	10	20
KX – Titanium Dioxide	0	5	KX – Titanium Dioxide	0	20	KX – Titanium Dioxide	2	4
S – Exterior Red	0	25	S – Exterior Red	2	4	S – Exterior Red	10	20

ZAR SOLID DECK & SIDING STAIN COLORS – VALSPAR (CCA)

STONEHEDGE 868

810 LIGHT BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	23	B – Lamp Black	1	44	B – Lamp Black	9	28
C – Yellow Oxide	0	2	C – Yellow Oxide	0	12	C – Yellow Oxide	1	12

WINTER WHITE 870

810 LIGHT BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
C – Yellow Oxide	0	1	C – Yellow Oxide	0	4	C – Yellow Oxide	0	20
L – Raw Umber	0	1	L – Raw Umber	0	4	L – Raw Umber	0	20