

JUNE 2010

ZAR DECK AND SIDING STAIN TINTING FORMULATION

MATCHING: ZAR SOLID DECK AND SIDING STAIN COLORS

SYSTEM: **MILLENIUM (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  
I – Brown Iron Oxide  
KX - Titanium Dioxide  
L - Raw Umber  
S – Exterior Red

## ZAR SOLID DECK & SIDING STAIN COLORS – MILLENIUM (CCA)

### BEECHWOOD GRAY 894

**811 BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	11	B – Lamp Black	0	44	B – Lamp Black	4	28
C – Yellow Oxide	0	12	C – Yellow Oxide	1	0	C – Yellow Oxide	5	0
L – Raw Umber	0	44.5	L – Raw Umber	3	34	L – Raw Umber	18	26

### BEIGE 885

**811 BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
C – Yellow Oxide	0	14	C – Yellow Oxide	1	8	C – Yellow Oxide	5	40
F – Red Iron Ox.	0	1	F – Red Iron Ox.	0	4	F – Red Iron Ox.	0	20
L – Raw Umber	0	19	L – Raw Umber	1	28	L – Raw Umber	7	44

### BLACK CANYON 878

**812 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 Ox.	0	1	I – Brown Iron Ox.	0	4	I – Brown Iron Ox.	0	20

### BUTTERNUT 892

**812 BASE**

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

### CALIFORNIA RUSTIC 890

**812 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	1	12	C – Yellow Oxide	5	0	C – Yellow Oxide	25	0
F – Red Iron Ox.	1	9	F – Red Iron Ox.	4	36	F – Red Iron Ox.	25	36
KX – Titanium Diox.	0	4	KX – Titanium Diox.	0	16	KX – Titanium Diox.	1	32

## ZAR SOLID DECK & SIDING STAIN COLORS – MILLENIUM (CCA)

### CAPE COD GRAY 877

**810 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 Ox.	0	2.5	I – Brown Iron Ox.	0	10	I – Brown Iron Ox.	1	2

### CEDARWOOD 882

**811 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 Ox.	0	8.5	F – Red Iron Ox.	0	34	F – Red Iron Ox.	3	26

### CHOCOLATE 872

**812 BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
C – Yellow Oxide	0	36	C – Yellow Oxide	3	0	C – Yellow Oxide	15	0
I – Brown Iron Ox.	0	22	I – Brown Iron Ox.	1	40	I – Brown Iron Ox.	9	8
L – Raw Umber	1	18	L – Raw Umber	5	24	L – Raw Umber	27	24
KX – Titanium Diox.	0	14	KX – Titanium Diox.	1	8	KX – Titanium Diox.	5	40

### COLONIAL YELLOW 875

**811 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 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 Diox.	0	12	KX – Titanium Diox.	1	0	KX – Titanium Diox.	5	0
L – Raw Umber	0	7	L – Raw Umber	0	28	L – Raw Umber	2	44

## ZAR SOLID DECK & SIDING STAIN COLORS – MILLENIUM (CCA)

### DEEP DESERT SAND 849

**811 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 Ox.	0	0.5	F – Red Iron Ox.	0	2	F – Red Iron Ox.	0	10
S – Exterior Red	0	6	S – Exterior Red	0	24	S – Exterior Red	0	40

### DESERT SAND 879

**811 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 Ox.	0	2	F – Red Iron Ox.	0	8	F – Red Iron Ox.	0	40
L – Raw Umber	0	30	L – Raw Umber	2	24	L – Raw Umber	12	24

### FAWN 869

**811 BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
C – Yellow Oxide	0	42	C – Yellow Oxide	3	24	C – Yellow Oxide	17	24
F – Red Iron Ox.	0	3	F – Red Iron Ox.	0	12	F – Red Iron Ox.	1	12
L – Raw Umber	1	15	L – Raw Umber	5	12	L – Raw Umber	26	12

### GEORGETOWN GRAY 893

**811 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 BASE**

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

## ZAR SOLID DECK & SIDING STAIN COLORS – MILLENIUM (CCA)

### MAHOGANY 889

**812 BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	8	B – Lamp Black	0	32	B – Lamp Black	3	16
E – Thalo Blue	0	28	E – Thalo Blue	2	16	E – Thalo Blue	11	32
F – Red Iron Ox.	0	10	F – Red Iron Ox.	0	40	F – Red Iron Ox.	4	8
S – Exterior Red	0	10	S – Exterior Red	0	40	S – Exterior Red	4	8

### MANOR BROWN 871

**812 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 Ox.	0	22	I – Brown Iron Ox.	1	40	I – Brown Iron Ox.	9	8
KX – Titanium Diox.	0	6	KX – Titanium Diox.	0	24	KX – Titanium Diox.	2	24

### NAVAJO WHITE 884

**810 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 Ox.	0	0.5	I – Brown Iron Ox.	0	2	I – Brown Iron Ox.	0	10
L – Raw Umber	0	15.5	L – Raw Umber	1	14	L – Raw Umber	6	22

### NEW PILGRIM RED 866

**812 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 Ox.	0	12	F – Red Iron Ox.	1	0	F – Red Iron Ox.	5	0
S – Exterior Red	0	44	S – Exterior Red	3	32	S – Exterior Red	18	16

### PARCHMENT 867

**810 BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
C – Yellow Oxide	0	14	C – Yellow Oxide	1	8	C – Yellow Oxide	5	40
L – Raw Umber	0	4	L – Raw Umber	0	16	L – Raw Umber	1	32

## ZAR SOLID DECK & SIDING STAIN COLORS – MILLENIUM (CCA)

### PILGRMI BLUE 881

**811 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 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 BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
AX – Ext. Yellow	0	32	AX – Ext. Yellow	2	32	AX – Ext. Yellow	13	16
C – Yellow Oxide	0	32	C – Yellow Oxide	2	32	C – Yellow Oxide	13	16
L – Raw Umber	0	13	L – Raw Umber	1	4	L – Raw Umber	5	28
S – Exterior Red	0	2	S – Exterior Red	0	8	S – Exterior Red	0	40

### PRAIRE YELLOW 880

**810BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
AX – Ext. Yellow	0	22.5	AX – Ext. Yellow	1	42	AX – 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 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 Ox.	0	14	F – Red Iron Ox.	1	8	F – Red Iron Ox.	5	40

## ZAR SOLID DECK & SIDING STAIN COLORS – MILLENIUM (CCA)

### SAGE 846

#### 811 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 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 Ox.	0	0.5	F – Red Iron Ox.	0	2	F – Red Iron Ox.	0	10

### SANDPIPER 886

#### 811 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 Ox.	0	0.5	F – Red Iron Ox.	0	2	F – Red Iron Ox.	0	10

### SEAFOAM 888

#### 811 BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
I – Brown Iron Ox.	0	3.5	I – Brown Iron Ox.	0	14	I – Brown Iron Ox.	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 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 Ox.	0	25	F – Red Iron Ox.	2	4	F – Red Iron Ox.	10	20
KX – Titanium Diox.	0	5	KX – Titanium Diox.	0	20	KX – Titanium Diox.	2	4
S – Exterior Red	0	25	S – Exterior Red	2	4	S – Exterior Red	10	20

## ZAR SOLID DECK & SIDING STAIN COLORS – MILLENIUM (CCA)

### STONEHEDGE 868

**810 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
E – Thalo Blue	0	1	E – Thalo Blue	0	4	E – Thalo Blue	0	20
L – Raw Umber	0	22	L – Raw Umber	1	40	L – Raw Umber	9	8

### WINTER WHITE 870

**810 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