

APRIL 2013

ZAR DECK AND SIDING STAIN TINTING FORMULATION

MATCHING: ZAR SOLID DECK AND SIDING STAIN COLORS

SYSTEM: **ACE** 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

AXX - Exterior Yellow  
B - Lamp Black  
C - Yellow Oxide  
D - Thalo Green  
E - Thalo Blue  
F- Red Iron Oxide  
KX - Titanium Dioxide  
L - Raw Umber  
R – Exterior Red  
T – P.M. Yellow  
V – Magenta

## ZAR SOLID DECK & SIDING STAIN COLORS – ACE

### 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	24.5	B – Lamp Black	2	2	B – Lamp Black	10	10
C – Yellow Oxide	0	23	C – Yellow Oxide	1	44	C – Yellow Oxide	9	28
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	16	C – Yellow Oxide	1	16	C – Yellow Oxide	6	32
F – Red Iron Oxide	0	1	F – Red Iron Oxide	0	4	F – Red Iron Oxide	0	20
L – Raw Umber	0	22	L – Raw Umber	1	40	L – Raw Umber	9	8

### 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

### BUTTERNUT 892

#### 812 DARK BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
AXX–Ext. Yellow	0	44	AXX–Ext. Yellow	3	32	AXX–Ext. Yellow	18	16
B – Lamp Black	0	21	B – Lamp Black	1	36	B – Lamp Black	8	36
C – Yellow Oxide	0	16.25	C – Yellow Oxide	1	17	C – Yellow Oxide	6	37
F – Red Iron Oxide	0	9	F – Red Iron Oxide	0	36	F – Red Iron Oxide	3	36
KX-Titanium Dioxide	0	29	KX-Titanium Dioxide	2	20	KX-Titanium Dioxide	12	4
R – Exterior Red	0	8	R – Exterior Red	0	32	R – Exterior Red	3	16

### CALIFORNIA RUSTIC 890

#### 812 DARK 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	1	4	C – Yellow Oxide	4	16	C – Yellow Oxide	21	32
F-Red Iron Oxide	1	0	F-Red Iron Oxide	4	0	F-Red Iron Oxide	20	0
KX-Titanium Dioxide	0	3	KX-Titanium Dioxide	0	12	KX-Titanium Dioxide	1	12

## ZAR SOLID DECK & SIDING STAIN COLORS – ACE

### 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	14	B – Lamp Black	1	8	B – Lamp Black	5	40
C – Yellow Oxide	0	5	C – Yellow Oxide	0	20	C – Yellow Oxide	2	4
F – Red Iron Oxide	0	0.5	F – Red Iron Oxide	0	2	F – Red Iron Oxide	0	10

### 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	8	B – Lamp Black	0	32	B – Lamp Black	3	16
C – Yellow Oxide	1	21	C – Yellow Oxide	5	36	C – Yellow Oxide	28	36
F – Red Iron Oxide	0	9.5	F – Red Iron Oxide	0	38	F – Red Iron Oxide	3	46

### CHOCOLATE 872

#### 812 DARK BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
C – Yellow Oxide	0	24	C – Yellow Oxide	2	0	C – Yellow Oxide	10	0
F – Red Iron Oxide	0	6.5	F – Red Iron Oxide	0	26	F – Red Iron Oxide	2	34
L – Raw Umber	2	6	L – Raw Umber	8	24	L – Raw Umber	42	24
KX-Titanium Dioxide	0	7	KX-Titanium Dioxide	0	28	KX-Titanium Dioxide	2	44

### 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 – ACE

### 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
R – Exterior Red	0	6	R – Exterior Red	0	24	R – Exterior Red	0	40

### 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	11.5	B – Lamp Black	0	46	B – Lamp Black	4	38
F – Red Iron Oxide	0	6	F – Red Iron Oxide	0	24	F – Red Iron Oxide	2	24
T – P.M. Yellow	0	29	T – P.M. Yellow	2	20	T – P.M. Yellow	12	4

### 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	27	B – Lamp Black	2	12	B – Lamp Black	11	12
D – Thalo Green	0	9	D – Thalo Green	0	36	D – Thalo Green	3	36
L – Raw Umber	0	15	L – Raw Umber	1	12	L – Raw Umber	6	12

### HUNTER GREEN 874

**812 DARK BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
AXX–Ext. Yellow	0	16	AXX–Ext. Yellow	1	16	AXX–Ext. Yellow	6	32
D – Thalo Green	0	45	D – Thalo Green	3	36	D – Thalo Green	18	36
F – Red Iron Oxide	0	9	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 – ACE

### MAHOGANY 889

#### 812 DARK 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 Oxide	0	10	F – Red Iron Oxide	0	40	F – Red Iron Oxide	4	8
R – Exterior Red	0	10	R – Exterior Red	0	40	R – Exterior Red	4	8

### MANOR BROWN 871

#### 812 DARK BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
L – Raw Umber	2	14	L – Raw Umber	9	8	L – Raw Umber	45	40
R – Exterior Red	0	4	R – Exterior Red	0	16	R – Exterior Red	1	32
KX-Titanium Dioxide	0	6	KX-Titanium Dioxide	0	24	KX-Titanium Dioxide	2	24
C – Yellow Oxide	0	2	C – Yellow Oxide	0	8	C – Yellow Oxide	0	40
B – Lamp Black	0	6	B – Lamp Black	0	24	B – Lamp Black	2	0

### NAVAJO WHITE 884

#### 810 LIGHT BASE

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	48s	Colorant	OZS.	48s	Colorant	OZS.	48s
B – Lamp Black	0	3.5	B – Lamp Black	0	14	B – Lamp Black	1	22
C – Yellow Oxide	0	14.5	C – Yellow Oxide	1	10	C – Yellow Oxide	6	2
R – Exterior Red	0	2	R – Exterior Red	0	8	R – Exterior Red	0	40

### 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
R - Exterior Red	0	44	R – Exterior Red	3	32	R – 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	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 – ACE

### PILGRIM 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
AXX–Ext. Yellow	0	19	AXX–Ext. Yellow	1	28	AXX–Ext. Yellow	7	44
C – Yellow Oxide	0	44	C – Yellow Oxide	3	32	C – Yellow Oxide	18	16
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
AXX–Ext. Yellow	0	22.5	AXX–Ext. Yellow	1	42	AXX–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 – ACE

### 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
R – Exterior Red	0	1	R – Exterior Red	0	4	R – 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
B – Lamp Black	0	12	B – Lamp Black	1	0	B – Lamp Black	5	0
C – Yellow Oxide	0	28	C – Yellow Oxide	2	16	C – Yellow Oxide	11	32
D – Thalo Green	0	6	D – Thalo Green	0	24	D – Thalo Green	2	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
R – Exterior Red	0	25	R – Exterior Red	2	4	R – Exterior Red	10	20

## ZAR SOLID DECK & SIDING STAIN COLORS – ACE

### 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	3	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