

JANUARY 2016

NEW ZAR SEMI-TRANSPARENT DECK AND SIDING STAIN TINTING  
FORMULATION

MATCHING: ZAR SEMI-TRANSPARENT DECK AND SIDING STAIN COLORS

ACE NOVOCOLOR HP: **ACE NOVOCOLOR HP** USING 384 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 384, lists the number(s) of fractions, 384ths, 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 ACE NOVOCOLOR HPs, 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

AXXN – Orange Yellow

B – Lamp Black

C – Yellow Oxide

D – Phthalo Green

E – Phthalo Blue

F – Red Oxide

KX – White

L – Raw Umber

MM – Magenta

RR – Fast Red

TT – Medium Yellow

**NEW ZAR 50 G/L SEMI TRANSPARENT DECK & SIDING STAIN –  
ACE NOVOCOLOR HP**

**ACORN BROWN**

**671 DARK BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	1	80	B – Lamp Black	4	320	B – Lamp Black	24	64
F – Red Oxide	0	200	F – Red Oxide	2	32	F – Red Oxide	10	160
KX – White	0	48	KX – White	0	192	KX – White	2	192

**BARNBOARD**

**670 LIGHT BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	0	112	B – Lamp Black	1	64	B – Lamp Black	5	320
C – Yellow Oxide	0	56	C – Yellow Oxide	0	224	C – Yellow Oxide	2	352
F – Red Oxide	0	12	F – Red Oxide	0	48	F – Red Oxide	0	240
L – Raw Umber	0	64	L – Raw Umber	0	256	L – Raw Umber	3	128

**BEECHWOOD GRAY**

**670 LIGHT BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	0	48	B – Lamp Black	0	192	B – Lamp Black	2	192
C – Yellow Oxide	0	64	C – Yellow Oxide	0	256	C – Yellow Oxide	3	128
F – Red Oxide	0	6	F – Red Oxide	0	24	F – Red Oxide	0	120
L – Raw Umber	0	40	L – Raw Umber	0	160	L – Raw Umber	2	32

**BEIGE**

**670 LIGHT BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
C – Yellow Oxide	0	56	C – Yellow Oxide	0	224	C – Yellow Oxide	2	352
L – Raw Umber	0	80	L – Raw Umber	0	320	L – Raw Umber	4	64

**BURLEY**

**671 DARK BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	0	256	B – Lamp Black	2	256	B – Lamp Black	13	128
F – Red Oxide	0	240	F – Red Oxide	2	192	F – Red Oxide	12	192
KX – White	0	32	KX – White	0	128	KX – White	1	256
MM – Magenta	0	80	MM – Magenta	0	320	MM – Magenta	4	64

**NEW ZAR 50 G/L SEMI TRANSPARENT DECK & SIDING STAIN –  
ACE NOVOCOLOR HP**

**BURNT WOODS**

**671 DARK BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	0	192	B – Lamp Black	2	0	B – Lamp Black	10	0
F – Red Oxide	0	288	F – Red Oxide	3	0	F – Red Oxide	15	0
KX – White	0	16	KX – White	0	64	KX – White	0	320
TT – Medium Yellow	0	56	TT – Medium Yellow	0	224	TT – Medium Yellow	2	352

**CAPE COD GRAY**

**670 LIGHT BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	0	40	B – Lamp Black	0	160	B – Lamp Black	2	32
C – Yellow Oxide	0	12	C – Yellow Oxide	0	48	C – Yellow Oxide	0	240
L – Raw Umber	0	32	L – Raw Umber	0	128	L – Raw Umber	1	256

**CEDARWOOD**

**670 LIGHT BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
C – Yellow Oxide	0	160	C – Yellow Oxide	1	256	C – Yellow Oxide	8	128
F – Red Oxide	0	22	F – Red Oxide	0	88	F – Red Oxide	1	56
L – Raw Umber	0	96	L – Raw Umber	1	0	L – Raw Umber	5	0

**DEEP CHARCOAL**

**671 DARK BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	0	160	B – Lamp Black	1	256	B – Lamp Black	8	128
E – Phthalo Blue	0	6	E – Phthalo Blue	0	24	E – Phthalo Blue	0	120
KX – White	0	176	KX – White	1	320	KX – White	9	64
L – Raw Umber	0	96	L – Raw Umber	1	0	L – Raw Umber	5	0

**DESERT SAND**

**670 LIGHT BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	0	44	B – Lamp Black	0	176	B – Lamp Black	2	112
F – Red Oxide	0	20	F – Red Oxide	0	80	F – Red Oxide	1	16
TT – Medium Yellow	0	56	TT – Medium Yellow	0	224	TT – Medium Yellow	2	352

**NEW ZAR 50 G/L SEMI TRANSPARENT DECK & SIDING STAIN –  
ACE NOVOCOLOR HP**

**FAWN**

**670 LIGHT BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	0	32	B – Lamp Black	0	128	B – Lamp Black	1	256
C – Yellow Oxide	0	144	C – Yellow Oxide	1	192	C – Yellow Oxide	7	192
F – Red Oxide	0	16	F – Red Oxide	0	64	F – Red Oxide	0	320

**FOREST GROVE**

**671 DARK BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	0	32	B – Lamp Black	0	128	B – Lamp Black	1	256
C – Yellow Oxide	0	312	C – Yellow Oxide	3	96	C – Yellow Oxide	16	96
D – Phthalo Green	0	72	D – Phthalo Green	0	288	D – Phthalo Green	3	288
L – Raw Umber	0	8	L – Raw Umber	0	32	L – Raw Umber	0	160

**GEORGETOWN GRAY**

**670 LIGHT BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	0	16	B – Lamp Black	0	64	B – Lamp Black	0	320
D – Phthalo Green	0	8	D – Phthalo Green	0	32	D – Phthalo Green	0	160
E – Phthalo Blue	0	64	E – Phthalo Blue	0	256	E – Phthalo Blue	3	128
L – Raw Umber	0	296	L – Raw Umber	3	32	L – Raw Umber	15	160

**GOLDENDALE**

**670 LIGHT BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
C – Yellow Oxide	0	160	C – Yellow Oxide	1	256	C – Yellow Oxide	8	128
L – Raw Umber	0	28	L – Raw Umber	0	112	L – Raw Umber	1	176

**LYNCHBURG GREEN**

**670 LIGHT BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
C – Yellow Oxide	0	16	C – Yellow Oxide	0	64	C – Yellow Oxide	0	320
D – Phthalo Green	0	16	D – Phthalo Green	0	64	D – Phthalo Green	0	320
L – Raw Umber	0	80	L – Raw Umber	0	320	L – Raw Umber	4	64

**NEW ZAR 50 G/L SEMI TRANSPARENT DECK & SIDING STAIN –  
ACE NOVOCOLOR HP**

**MAHOGANY**

**671 DARK BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	0	112	B – Lamp Black	1	64	B – Lamp Black	5	320
F – Red Oxide	0	80	F – Red Oxide	0	320	F – Red Oxide	4	64
KX – White	0	24	KX – White	0	96	KX – White	1	96
MM – Magenta	0	184	MM – Magenta	1	352	MM – Magenta	9	224

**MANOR BROWN**

**671 DARK BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	0	136	B – Lamp Black	1	160	B – Lamp Black	7	32
F – Red Oxide	0	12	F – Red Oxide	0	48	F – Red Oxide	0	240
KX – White	0	16	KX – White	0	64	KX – White	0	320
L – Raw Umber	0	352	L – Raw Umber	3	256	L – Raw Umber	18	128

**NATURAL HONEY TONER**

**671 DARK BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
C – Yellow Oxide	0	80	C – Yellow Oxide	0	320	C – Yellow Oxide	4	64
L – Raw Umber	0	9	L – Raw Umber	0	36	L – Raw Umber	0	180
RR – Fast Red	0	7	RR – Fast Red	0	28	RR – Fast Red	0	140

**NATURAL REDWOOD TONER**

**671 DARK BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
C – Yellow Oxide	0	8	C – Yellow Oxide	0	32	C – Yellow Oxide	0	160
F – Red Oxide	0	20	F – Red Oxide	0	80	F – Red Oxide	1	16
L – Raw Umber	0	52	L – Raw Umber	0	208	L – Raw Umber	2	272

**NAVAJO WHITE**

**670 LIGHT BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
C – Yellow Oxide	0	12	C – Yellow Oxide	0	48	C – Yellow Oxide	0	240
L – Raw Umber	0	32	L – Raw Umber	0	128	L – Raw Umber	1	256

**NEW ZAR 50 G/L SEMI TRANSPARENT DECK & SIDING STAIN –  
ACE NOVOCOLOR HP**

**PARCHMENT**

**670 LIGHT BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
C – Yellow Oxide	0	16	C – Yellow Oxide	0	64	C – Yellow Oxide	0	320
KX – White	0	16	KX – White	0	64	KX – White	0	320
L – Raw Umber	0	12	L – Raw Umber	0	48	L – Raw Umber	0	240

**PILGRIM BLUE**

**670 LIGHT BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	0	16	B – Lamp Black	0	64	B – Lamp Black	0	320
E – Phthalo Blue	0	152	E – Phthalo Blue	1	224	E – Phthalo Blue	7	352
L – Raw Umber	0	112	L – Raw Umber	1	64	L – Raw Umber	5	320
MM – Magenta	0	24	MM – Magenta	0	96	MM – Magenta	1	96

**REDWOOD**

**671 DARK BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
F – Red Oxide	0	152	F – Red Oxide	1	224	F – Red Oxide	7	352
KX – White	0	40	KX – White	0	160	KX – White	2	32
L – Raw Umber	1	80	L – Raw Umber	4	320	L – Raw Umber	24	64
MM – Magenta	0	56	MM – Magenta	0	224	MM – Magenta	2	352

**RUSTIC**

**671 DARK BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	0	48	B – Lamp Black	0	192	B – Lamp Black	2	192
C – Yellow Oxide	0	24	C – Yellow Oxide	0	96	C – Yellow Oxide	1	96
F – Red Oxide	0	224	F – Red Oxide	2	128	F – Red Oxide	11	256
RR – Fast Red	0	40	RR – Fast Red	0	160	RR – Fast Red	2	32

**RUSTIC BROWN**

**671 DARK BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	0	152	B – Lamp Black	1	224	B – Lamp Black	7	352
F – Red Oxide	0	112	F – Red Oxide	1	64	F – Red Oxide	5	320
TT – Medium Yellow	0	120	TT – Medium Yellow	1	96	TT – Medium Yellow	6	96

**NEW ZAR 50 G/L SEMI TRANSPARENT DECK & SIDING STAIN –  
ACE NOVOCOLOR HP**

**SANDPIPER**

**670 LIGHT BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	0	16	B – Lamp Black	0	64	B – Lamp Black	0	320
C – Yellow Oxide	0	40	C – Yellow Oxide	0	160	C – Yellow Oxide	2	32

**SMOKE**

**671 DARK BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	1	96	B – Lamp Black	5	0	B – Lamp Black	25	0
D – Phthalo Green	0	16	D – Phthalo Green	0	64	D – Phthalo Green	0	320
KX – White	0	48	KX – White	0	192	KX – White	2	192

**STONEHEDGE**

**670 LIGHT BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	0	44	B – Lamp Black	0	176	B – Lamp Black	2	112
D – Phthalo Green	0	8	D – Phthalo Green	0	32	D – Phthalo Green	0	160
L – Raw Umber	0	120	L – Raw Umber	1	96	L – Raw Umber	6	96

**WESTWOOD**

**671 DARK BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
B – Lamp Black	0	116	B – Lamp Black	1	80	B – Lamp Black	6	16
C – Yellow Oxide	0	256	C – Yellow Oxide	2	256	C – Yellow Oxide	13	128
F – Red Oxide	0	74	F – Red Oxide	0	296	F – Red Oxide	3	328
KX – White	0	96	KX – White	1	0	KX – White	5	0

**WHITE**

**670 LIGHT BASE**

Quart Formula			Gallon Formula			Five Gallon Formula		
Colorant	OZS.	384s	Colorant	OZS.	384s	Colorant	OZS.	384s
AXXN – Yellow	0	2	AXXN – Yellow	0	8	AXXN – Yellow	0	40
KX – White	0	288	KX – White	3	0	KX – White	15	0