



UNITED GILSONITE LABORATORIES

P.O. BOX 70 • SCRANTON, PA 18501-0070

Makers of DRYLOK® Masonry Waterproofer and ZAR® Wood Stains and Finishes

March 2010

ZAR OIL- BASED WOOD STAIN TINTING FORMULATION

MATCHING: ZAR OIL- BASED WOOD STAIN COLORS

SYSTEM: 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
- GX - Perma-Cal Orange
- I – Brown Iron Oxide
- KX – Titanium Dioxide
- L – Raw Umber
- R – Exterior red

| 109 COLONIAL PINE | | | | | | 145 OR 169 TINT BASE | | |
|-------------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| B | 0 | 16 | B | 1 | 16 | | | |
| C | 1 | 0 | C | 4 | 0 | | | |
| F | 0 | 8 | F | 0 | 32 | | | |

| 110 SALEM MAPLE | | | | | | 145 OR 169 TINT BASE | | |
|-----------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| C | 1 | 0 | C | 4 | 0 | | | |
| F | 0 | 9 | F | 0 | 36 | | | |
| L | 1 | 15 | L | 5 | 12 | | | |

| 111 WALNUT | | | | | | 145 OR 169 TINT BASE | | |
|------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| C | 1 | 8 | C | 4 | 32 | | | |
| F | 0 | 5.5 | F | 0 | 22 | | | |
| L | 1 | 28 | L | 6 | 16 | | | |

| 113 FRUITWOOD | | | | | | 145 OR 169 TINT BASE | | |
|---------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| C | 1 | 24 | C | 6 | 0 | | | |
| F | 0 | 4 | F | 0 | 16 | | | |
| L | 1 | 10 | L | 4 | 40 | | | |
| KX | 0 | 6 | KX | | 24 | | | |

| 114 PROVINCIAL | | | | | | 145 OR 169 TINT BASE | | |
|----------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| C | 1 | 0 | C | 4 | 0 | | | |
| F | 0 | 8.5 | F | 0 | 34 | | | |
| L | 1 | 12 | L | 5 | 0 | | | |

| 115 MODERN WALNUT | | | | | | 145 OR 169 TINT BASE | | |
|-------------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| B | 0 | 46 | B | 3 | 40 | | | |
| C | 1 | 29 | C | 6 | 20 | | | |
| F | 0 | 21 | F | 1 | 36 | | | |

| 116 CHERRY | | | | | | 145 OR 169 TINT BASE | | |
|------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| C | 1 | 0 | C | 4 | 0 | | | |
| F | 0 | 22 | F | 1 | 40 | | | |
| L | 1 | 26 | L | 6 | 8 | | | |

| 117 HONEY MAPLE | | | | | | 145 OR 169 TINT BASE | | |
|-----------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| C | 1 | 8 | C | 4 | 32 | | | |
| F | 0 | 7 | F | 0 | 28 | | | |
| L | 0 | 24 | L | 2 | 0 | | | |
| KX | 0 | 36 | KX | 3 | 0 | | | |

| 118 DARK MAHOGANY | | | | | | 145 OR 169 TINT BASE | | |
|-------------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| B | 1 | 14 | B | 5 | 8 | | | |
| C | 0 | 18 | C | 1 | 24 | | | |
| F | 1 | 12 | F | 5 | 0 | | | |

| 119 MOCHA (FORMERLY CALLED DANISH WALNUT) | | | | | | 145 OR 169 TINT BASE | | |
|---|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| B | 2 | 6 | B | 8 | 24 | | | |
| C | 0 | 22 | C | 1 | 40 | | | |
| F | 0 | 20 | F | 1 | 32 | | | |

| 120 TEAK NATURAL | | | | | | 145 OR 169 TINT BASE | | |
|------------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| B | 0 | 24 | B | 2 | | | | |
| C | 1 | 30 | C | 6 | 24 | | | |
| F | 0 | 20 | F | 1 | 32 | | | |

| 121 BLACK ONYX | | | | | | 145 OR 169 TINT BASE | | |
|----------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| B | 2 | 0 | B | 8 | 0 | | | |
| C | 0 | 12 | C | 1 | 0 | | | |
| KX | 0 | 6 | KX | 0 | 24 | | | |

| 122 MEDITERRANEAN | | | | | | 145 OR 169 TINT BASE | | |
|-------------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| B | 2 | 0 | B | 8 | 0 | | | |
| C | 0 | 26 | C | 2 | 8 | | | |
| F | 0 | 16 | F | 1 | 16 | | | |

| 123 MOORISH TEAK | | | | | | 145 OR 169 TINT BASE | | |
|------------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| B | 1 | 46 | B | 7 | 40 | | | |
| C | 0 | 6 | C | 0 | 24 | | | |
| F | 0 | 40 | F | 3 | 16 | | | |

| 124 ROSEWOOD | | | | | | 145 OR 169 TINT BASE | | |
|--------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| B | 1 | 40 | B | 7 | 16 | | | |
| F | 1 | 4 | F | 4 | 16 | | | |

| 125 BLACK WALNUT | | | | | | 145 OR 169 TINT BASE | | |
|------------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| B | 2 | 0 | B | 8 | 0 | | | |
| C | 0 | 30 | C | 2 | 24 | | | |
| F | 0 | 16 | F | 1 | 16 | | | |

| 126 CHESTNUT | | | | | | 145 OR 169 TINT BASE | | |
|--------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| C | 1 | 6 | C | 4 | 24 | | | |
| F | 0 | 2.5 | F | 0 | 10 | | | |
| L | 0 | 32 | L | 2 | 32 | | | |

| 127 GOLDEN OAK | | | | | | 145 OR 169 TINT BASE | | |
|----------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| C | 1 | 24 | C | 6 | 0 | | | |
| F | 0 | 3 | F | 0 | 12 | | | |
| L | 0 | 19 | L | 1 | 28 | | | |
| KX | 0 | 24 | KX | 2 | 0 | | | |

| 128 EARLY AMERICAN | | | | | | 145 OR 169 TINT BASE | | |
|--------------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| B | 0 | 30 | B | 2 | 24 | | | |
| C | 1 | 14 | C | 5 | 8 | | | |
| F | 0 | 30 | F | 2 | 24 | | | |

| 129 AMBER VARNISH (FORMERLY CALLED AGED VARNISH) | | | | | | 145 OR 169 TINT BASE | | |
|--|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| C | 1 | 6 | C | 4 | 24 | | | |
| F | 0 | 5 | F | 0 | 20 | | | |
| L | 0 | 32 | L | 2 | 32 | | | |

| 130 DRIFTWOOD | | | | | | 145 OR 169 TINT BASE | | |
|---------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| B | 0 | 5.5 | B | 0 | 22 | | | |
| C | 0 | 6 | C | 0 | 24 | | | |
| I | 0 | 2 | I | 0 | 8 | | | |
| KX | 1 | 32 | KX | 6 | 32 | | | |

| 135 CHARCOAL | | | | | | 145 OR 169 TINT BASE | | |
|--------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| B | 2 | 24 | B | 10 | 0 | | | |
| F | 0 | 12 | F | 1 | 0 | | | |

| 136 ENGLISH WALNUT | | | | | | 145 OR 169 TINT BASE | | |
|--------------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| B | 1 | 10 | B | 4 | 40 | | | |
| C | 1 | 0 | C | 4 | 0 | | | |
| F | 0 | 12 | F | 1 | 0 | | | |

| 137 WHITE OAK | | | | | | 145 OR 169 TINT BASE | | |
|---------------|------|------|--------|------|------|----------------------|------|------|
| QUART | | | GALLON | | | 5 GALLON | | |
| COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S | COLOR. | OZS. | 48'S |
| C | 1 | 30 | C | 6 | 24 | | | |
| F | 0 | 3 | F | 0 | 12 | | | |
| L | 0 | 29 | L | 2 | 20 | | | |
| KX | 0 | 26 | KX | 2 | 8 | | | |

