



DUPONT CENTARI TINT GUIDE 2009

-----WHITE TINTS-----		
AM1	WHITE H.S	Full strength white. Not generally used in metallic's and makes darker flip – lighter flop
AM2	WHITE L.S	Use to lighten flop on metallic's (1% suggested max) 10 x weaker than AM1
-----BLACK TINTS-----		
AM5	JET BLACK	Cleanest black – darkest flop on metallic's has blue undertone
AM6	BLACK H.S	Dirty – Full strength- has reddish undertone
AM7	BLACK L.S	Not as dirty as AM6, 10 x weaker than AM6. Makes darker flip and flop
AM8	GRAPHITE	Transparent black provides a soft antique metallic like effect with a silky shadowy flop. In combinations with transparent organic pigments also gives a red/yellow appearance on two angles
-----ALUMINIUMS-----		
AM10	FINE ALUMINIUM	Finest - Dirtiest - grey look flip, light flop
AM11	MED FINE ALUMINIUM	Light / clean flop – coarser than AM10
AM13	MED COARSE ALUMINIUM	Semi-dark flop, coarse flakes
AM14	COARSE ALUMINIUM	Bright flip – darkest flop – large flakes – side on sparkle
AM16	MED BRIGHT ALUMINIUM	Darker flop than AM11 – no coarser than AM14
AM17	FINE BRIGHT ALUMINIUM	Bright flip, milky grey dark flop, coarser than AM14
AM94	EXTRA COARSE ALUMINIUM	Metallic is a coarser version of AM14
AM95	Bright Coarse Aluminium	Metallic is a coarser version of AM17 – Brighter than AM17
AM97	FINE EXTRA BRIGHT ALLUMINIUM	Very bright face, brighter than all other aluminium's, dark flop, high sparkle in sunlight. Used mainly in recent Japanese and Korean silver metallic Colours.

AM98	MED FINE EXTRA COARSE ALUMINIUM	Coarser than AM97. Very bright face, brighter than all other aluminium's, dark flop, high sparkle in sunlight. Used mainly in recent Japanese and Korean silver metallic Colours.
AM78	Aluminium Gold	Gold anodised with a flake size equal to AM11

-----SUPPLEMENTARY ALUMINIUM TINTS-----

4530S	FLOP CONTROL	Use only to bring flip & flop closer together (7% suggested max) Darker flip/lighter flop with cleaner face/side(flip/flop)
AM3	CRYSTALLINE FROST	Use in metallic's mainly. Faint white flip – Milky blue flop. Very fine ground

-----VIOLET TINTS-----

AM20	VIOLET	Clear red toned violet. Much greener high angle than AM21
AM21	VIOLET BLUE	Dirtier than AM20 – Red tone flop – preferred to AM20

-----BLUE TINTS-----

AM25	TRANSPARENT BLUE	Only to be used in a 1-coat system, green blue, same pigment under AM29
AM26	ORGANIC BLUE	Violet red flop, use to counter green flop in blues has greenish flop. Use only if necessary to avoid metamerism
AM27	TRANSPARENT BLUE	Very Green shade blue and green flop, use to counter red flop in blues. Use only if necessary to avoid metamerism
AM28	Fast Blue H.S	Most red flop in sunlight – red/blue flip – watch for metamerism effect
AM29	FAST BLUE H.S	Green look under sunlight – Always start blues using AM28 – AM29 watch for metamerism
AM70	FAST BLUE L.S	Red shade blue – Low strength AM28
AM96	REDDISH BLUE	Only to be used in a 1-coat system, reddest blue, less red than AM28

-----GREEN TINTS-----

AM30	FAST GREEN HS	Blue tone green – High strength for quick colour move
AM31	FAST GREEN L.S	5 x weaker than AM30 – Has same tones
AM32	GREEN	Yellow tone green – Bright
AM33	GREEN GOLD	Dirty - transparent - Olive tone- red tone under sunlight used mainly in metallic's - use in solid colours with high concentrations only
AM34	GREEN	Only use in 1-coat systems same pigment as AM30

-----*YELLOW TINTS*-----

AM41	YELLOW	Only use in emergency or as a last resort in metallic colours. Saturated yellow tint. When used in a BC/CC metallic you get a green view, is clean transparent (Pb Free)
AM43	BRIGHT YELLOW	Redder than AM41 - Lead free. Only use in emergency or as a last resort in metallic colours. Transparent yellow tint.
AM45	TRANSPARENT YELLOW	Very transparent-Dirty orange-Yellow flop-used mainly in metallic's
AM46	ORANGE YELLOW	Red yellow-green flop counter red flop-yellow flip(0.5% suggest) Lead free. Makes metallic appear lighter
AM90	TRANSOXIDE YELLOW	Very transparent- Green flip/flop in sunlight-best in metallic's

-----*ORANGE TINTS*-----

AM53	RED ORANGE	Not for metallic's. Very transparent - Use as light orange for solids Lead free
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-----*RED TINTS*-----

AM50	BRILLIANT RED	Very bright red, do not use in light pink colours
AM55	LIGHT RED	Good hider – Redder in sunlight (richer) – less red on flop
AM62	TRANSPARENT RED	Least red high angle, best red under yellow lamp (compared with AM64/AM66)
AM63	TRANSPARENT MAGENTA	Only to be used in a 1-coat system, less red and lighter than AM87 & AM64
AM64	MAGENTA Blue toned red	Violet maroon, redder than AM62 in sunlight, transparent, redder on flop than AM66
AM66	RED VIOLET Very blue toned red	Maroon not generally used- bleeds-redder than AM64
AM84	RED OXIDE L.S Opaque red/yellow tone	Not for metallic's very transparent.-can lighten face & redden flop- yellow brown look –good for pastel reds –dirty pink effect in whites
AM85	TRANSPARENT MAROON Transparent red	Red maroon, clean not red in sunlight- transparent.
AM86	Opaque Red Saturated opaque red tint	Redder than AM55 – poor hider – dirty violet direction – transparent and twice as concentrated as old AM61
AM87	Red Violet	3.5 VOC tint only used in 1-coat system, same colour characteristics as AM66, Darker than AM63.

-----PEARLS-----

AM72	RUSSET PEARL Opaque	Medium particle size, Red colour effect under all viewing angles. If flop too dark use AM71 – very clean flop – pink/red look – standard colour AB/XB48002
AM721	SATIN RED PEARL Opaque	Similar effect to AM72 but due to the finer particle size of AM721, the colour saturation is less bright, a darker face tone and lighter flop
AM724	INTERFERANCE RED PEARL Translucent	This tint has a dramatic pink/red face with a blue/green flop. Medium particle size
AM728	Red Green Pearl	Very green in near spec, very red high angle
AM73	White Pearl translucent	If flop too light use AM11/AM12 too darken-very clean flop- no hiding power-use over ground coats. Standard colour AB/XB4800
AM731	FINE SATIN WHITE PEARL Translucent	Similar effect to AM73, however a much finer grade of pearl, particle size is smaller- Provides a white misty effect, resulting in a dark face tone with a very white silky flop
AM732	MEDIUM WHITE PEARL	Flake size between AM73 & AM731
AM74	BLUE PEARL Translucent	A blue toned mica flake with a particle size between 10-40 micron. It provides a clean blue interference effect with a yellowish and light flop
AM741	SATIN BLUE PEARL Translucent	A fine blue toned mica flake size between 5-25 micron. Due to the thickness of the interference effect it is blue with a yellowish and silky flop. Due to the smaller particle size and colour the interference effect is less clean with a lower chroma than AM75.
AM75	SUPER GREEN PEARL Translucent	A green toned mica flake with a particle size between 10-40 micron. Is so defined that it provides a clean green interference effect with a reddish and light flop.
AM756	BLUE GREEN PEARL Translucent	Medium particle size, this is not an interference type pearl- provides a strong clean blue brilliant colour in the near specular angle, gives a soft/silky yellow colour in the side-on angle and gives a green appearance in the flat angle.
AM76	GOLD PEARL Translucent	Medium particle size- provides a yellow gold interference with a light blue silky flop.
AM77	COPPER PEARL Opaque	Medium particle size. Gives a copper tone effect on all angles
AM79	VIOLET PEARL Translucent	A TiO coated mica flake with a particle size between 10-40 micron. The thickness of the TiO layer is so defined that it provides a clean violet interference effect with a yellow/orange and light flop.

-----*XIRALLIC EFX TINTS*-----

AM725	RADIANT RED EFX	Xirallic red flaked efx tinter that is much brighter in sunlight than AM72 –yellower than AM72, darker high angle – Can seem to switch effect on and off when varying the viewing angle in sunlight.
AM735	CRYSTAL SILVER EFX	Xirallic tinter that is much brighter in sunlight than AM73- bluer than AM73- much lighter high angle also opposite. AM731 can seem to switch effect on & off when varying the viewing angle in sunlight
AM745	GALAXY BLUE EFY	Xirallic blue flaked tinter that is much brighter in sunlight than AM74, can seem to switch on & off when varying the viewing angle in sunlight
AM755	STELLAR GREEN EFX	Xirallic green flaked efx tinter that is much brighter in sunlight than AM75. Greener high angle than AM75. Redder in flat & high angle than AM75. Can seem to switch on & off when varying the viewing angle in sunlight
AM765	SUNBEAM GOLD EFX	Xirallic gold flaked efx tinter that is much brighter in sunlight than AM76. Less yellow in near spec than AM76. Lighter in high angle, less yellow in flat angle than AM76. Can seem to switch on & off when varying the viewing angle in sunlight
AM775	Fireside Copper EFX	Xirallic copper flaked EFX tinter that is much brighter in sunlight than AM77. More yellow in near spec than AM77. Darker in high angle than AM77. Can seem to switch on & off when varying the viewing angle in sunlight

-----*OCHRE TINTS*-----

AM81	YELLOW OXIDE H.S	Generally not for metallic's. Dirty look – can lighten and yellow metallic flop views – higher strength than AM80.
AM82	YELLOW OXIDE L.S	Generally not for metallic's 5x weaker than AM81 – cleaner than AM82 – is better than AM81 in metallic's

-----*BROWN TINTS*-----

AM91	TRANSOXIDE RED Transparent	Not for metallic's transparent red brown – redder than AM90 –use in all solids above 3% minimum
AM93	TRANSOXIDE BROWN Transparent	Most reddish tint of the transoxide tints. Darker and more greenish flop/flip in sunlight than AM90 and AM91

-----TIPS-----

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- Restrict the use of 4530S Flop Controller (5%by volume) more may effect adhesion
- Always stir in tints once binder has been added. This will allow tinter and binder to become one even mix.
- Always be precise with colour addition when mixing from formula.
- On average, 4 drops of tint will equal 1 gram. Whites/Reds and metallic's may be fewer drops due to heavier density.
- When tinting lighter colours or colours are very close, always use the reduced strength tints- LS (Low Strength) HS (high Strength)
- Never over stir/agitate your tinters – especially the pearl tinters.
- To aid with mixing in of concentrated tint for even colour add a small volume of thinner (that is compatible with the binder quality you will be using) into the tin before mixing. Zero out on scale and begin with adding tint and binder/s.