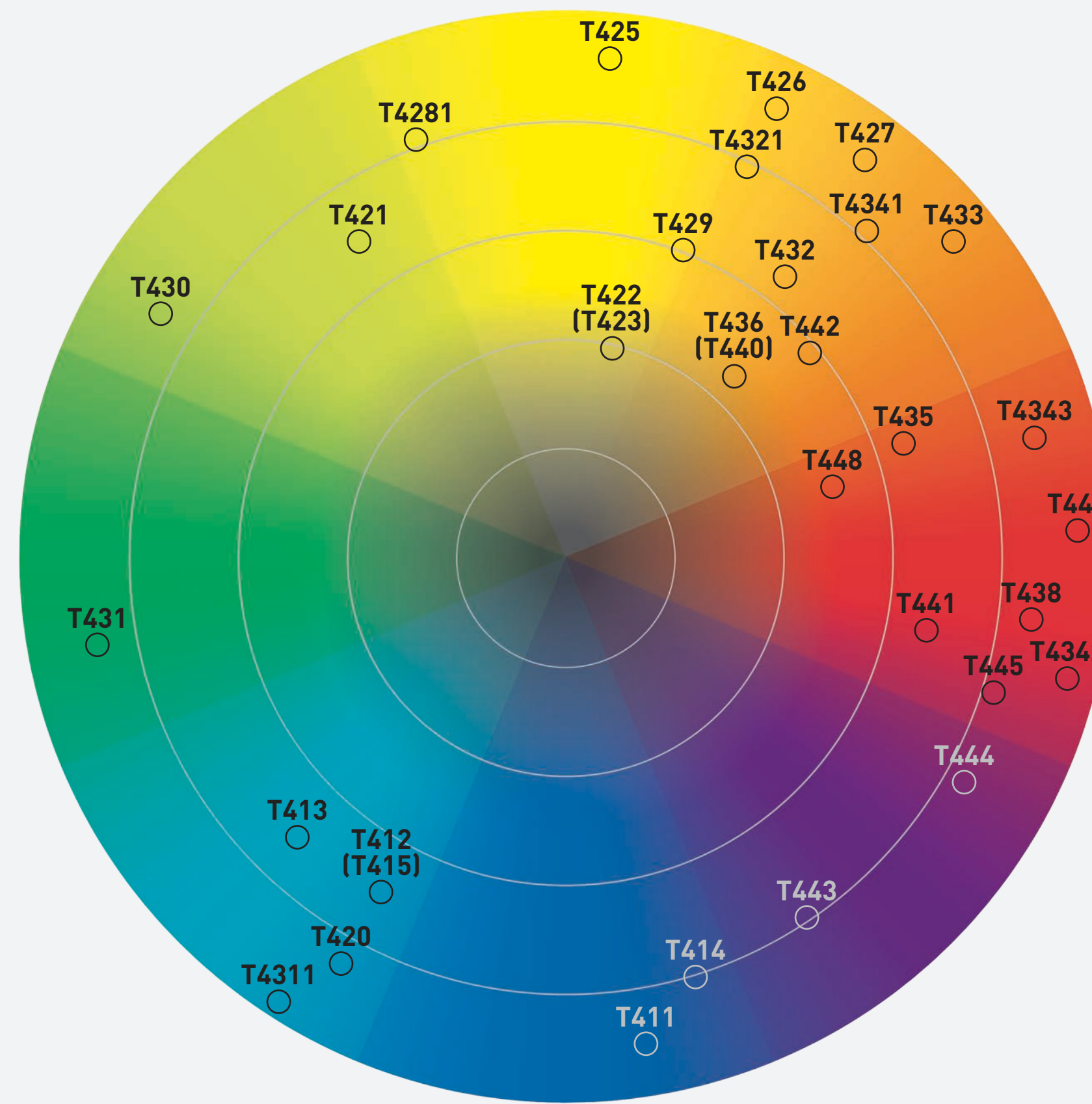




MIXING BASES

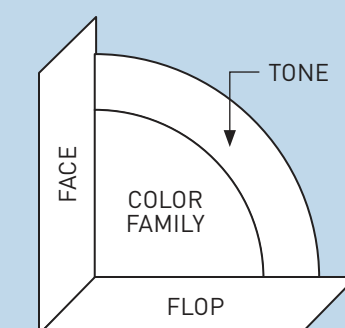
TONER SYMBOL	TONER	CHARACTERISTICS
	T425 Permanent Yellow	Medium shade yellow, less green than T421.
	T4281 Solid Yellow	Bright green shade yellow. Used primarily in solid colors.
	T421 Olive	Greenish yellow. Used primarily in metallic, pearl and effect colors.
	T430 High Strength Transparent Green	Yellow shade green.
	T431 High Strength Phthalo Green	Blue shade green.
	T413 Bright Blue	Green shade blue with red tone flop.
	T412 Transparent Blue (T415) (Trace Blue)	Mid-shade blue. Gives green tone flop. If less than 1% use T415.
	T420 High Strength Blue	Mid-shade blue with a green tone flop. More saturated than T412.
	T4311 HC Green Blue	Mid-shade blue. Higher level of chroma, deeper and greener flop than T412. Used primarily in metallic, pearl and effect colors.
	T411 Blue	Clean red shade phthalo blue.
	T414 Rich Blue	Extreme red shade blue. Redder than T411.
	T443 Violet	Semi-transparent violet.
	T444 Bordeaux	Transparent violet. Makes red metallic and pearl colors bluer. Darker on the flop than T438 and T445.
	T445 Transparent Magenta	Cleaner, more transparent magenta that has a deeper and bluer flop than T438. Used primarily in metallic, pearl and effect colors.
	T4342 HC Magenta	Magenta. Higher level of chroma and deeper flop than T445. Used primarily in metallic, pearl and effect colors.
	T438 Rose	Magenta color used as a blue shade red. Cleaner and lighter than T444. Used primarily in metallic, pearl and effect colors.



BLACKS & WHITES

TONER SYMBOL	TONER	CHARACTERISTICS
	T400 White (T402) (Trace White)	Clean, high strength white. If less than 5% use T402.
	T405 Graphite Black	Subtle blue tone on face, lightens flop on very dark metallic colors. Used primarily in metallic, pearl and effect colors.
	T406 Blue Black (T404) (Trace Blue Black)	High strength blue shade black. If less than 1% use T404.
	T407 Jet Black	Yellow shade black. Recommended for use when deep, dark flop is required in metallic colors.
	T409 Deep Black	Slightly bluer than T407 in metallic and light solid colors.

PICTOGRAM KEY



COLOR FAMILY – Yellow, Green, Blue, Violet, Red, etc.
FACE – Color viewing angle that is heavily influenced by metallic or pearl pigments in a formula.
FLOP – Color viewing angle that is generally darker and influenced mostly by the conventional pigments in a metallic or pearlescent color.
ZONE – Cast of the color in relation to its hue shift and adjacent color family (green-shade blue, mid-shade blue, red-shade blue).

MIXING BASES

TONER SYMBOL	TONER	CHARACTERISTICS
	T422 Yellow Oxide (T423) (Trace Yellow Oxide)	Opaque yellow oxide. Used primarily in solid colors. If less than 1% use T423.
	T429 Transparent Golden Yellow	Transparent yellow oxide used as a weak, dirty yellow. Darkens the flop in metallic, pearl and effect colors.
	T426 Warm Yellow	Orange shade yellow with green tone flop. Used primarily in metallic, pearl and effect colors.
	T4321 HC Yellow	Transparent yellow iron oxide. Higher level of chroma and deeper flop than T429. Used primarily in metallic, pearl and effect colors.
	T427 Yellow	Orange shade organic yellow. Used primarily in solid colors.
	T432 Transparent Red	Transparent iron oxide used to create a red-gold tint appearance. Used primarily in metallic, pearl and effect colors.
	T4341 HC Transparent Red	Transparent red iron oxide. Higher level of chroma and deeper flop than T432. Used primarily in metallic, pearl and effect colors.
	T433 Brilliant Orange	Bright organic orange. Used primarily in solid colors.
	T436 Red Oxide (T440) (Trace Red Oxide)	Opaque red oxide. Used primarily in solid colors. If less than 1% use T440.
	T442 Brown	Dark brown. Gives a deeper flop than T432. Used primarily in gold metallics.
	T435 Salmon Red	Orange shade red. Yellowest of red family toners.
	T4343 HC Organic Red	Perylene maroon. Higher level of chroma and deeper flop than T448. Used primarily in metallic, pearl and effect colors.
	T448 Russet	Dirty perylene maroon. Bluer than T436 and T442.
	T447 Bright Red	Organic red. Used primarily in solid colors.
	T441 Carmine	Bright red. Yellower on face and flop than T438. Used primarily in metallic, pearl and effect colors.





PEARLS

FLAKE SIZE	TONER	CHARACTERISTICS
	T451 Extra Fine White Pearl	White face, travels very light on the flop.
	T452 Fine White Pearl	Cleaner than T451, travels lighter than T453 on the flop.
	T453 White Pearl	Cleaner than T452, travels darker than T452 on the flop.
	T455 Fine Blue Pearl	Blue face. Can lighten flop in metallic and pearl colors. Travels to slightly yellowish tone on the flop in white tri-coat colors.
	T456 Blue Pearl	Blue face. Travels to slightly yellowish tone on the flop in white tri-coat colors.
	T457 Green Pearl	Green face. Travels to slightly reddish tone on the flop in white tri-coat colors.
	T458 Blue-Green Pearl	Blue green face. Travels to greenish yellow tone on the flop in white tri-coat colors.
	T460 Yellow Pearl	Yellow face. Travels to slightly bluish tone on the flop in white tri-coat colors.
	T461 Golden Yellow Pearl	Yellow iron oxide coated mica. Gold yellow face. Travels to reddish gold tone on the flop.
	T466 Orange Pearl	Orange face. Travels to slightly green tone on the flop in white tri-coat colors.
	T459 Copper Pearl	Iron oxide coated mica. Copper face, travels to dark copper tone on the flop.
	T465 Red Pearl	Red magenta face. Travels to slightly greenish tone on the flop in white tri-coat colors.
	T454 Bright Red Pearl	Red iron oxide coated mica. Bright red face, travels darker than T462 on the flop.
	T462 Fine Red Pearl	Red iron oxide coated mica. Red face, travels to light red tone on the flop.
	T468 Violet Pearl	Violet face. Travels to greenish yellow tone on the flop in white tri-coat colors.

SPECIAL EFFECTS

FLAKE SIZE	TONER	CHARACTERISTICS
	T4000 Crystal Silver	Sparkle bright white effect, coarser appearance and brighter than T453.
	T4003 Galaxy Blue	Sparkle bright blue effect, coarser appearance and brighter than T456.
	T4004 Stellar Green	Sparkle bright green effect, coarser appearance and brighter than T457.
	T4007 Cosmic Turquoise	Sparkle bright unique marine blue flake pigment.
	T4001 Sunbeam Gold	Sparkle bright gold effect, coarser appearance and brighter than T460.
	T4006 Fireside Copper	Sparkle bright copper effect, coarser appearance and brighter than T459.
	T4005 Solaris Red	Sparkle bright magenta red effect, coarser appearance and brighter than T465.
	T4002 Radiant Red	Sparkle bright red effect, coarser appearance and brighter than T454.
	T4008 Amethyst Dream	Sparkle bright violet effect, coarser appearance and brighter than T468.
	T4031 Autumn Mystery	Special effect orange silica flake that creates a unique red to gold to bronze to green color travel.
	T4032 Viola Fantasy	Special effect white silica flake that creates a unique violet to silver to green to blue color travel.
	T4033 Arctic Fire	Special effect silica flake that creates a unique color travel from subtle turquoise through brilliant silver to red.
	T4034 Tropic Sunrise	Special effect silica flake that creates a unique color travel from green to silver to reddish orange.
	T4035 Lapis Sunlight	Special effect silica flake that creates a unique color travel from gold to green to blue.
	T4018 Prism Silver	A medium particle size silver flake that creates a diffractive rainbow effect.
	T4037 Silver Glass Flake	Silver metal-coated glass flakes, used to create bright colors with intense sparkle and flare. The effect is particularly evident in bright sunlight.
	T4020 Green to Purple	Color shifting flake. Color shifts from green through purple.
	T4021 Silver to Green	Color shifting flake. Color shifts from silver through green.
	T4022 Gold to Silver	Color shifting flake. Color shifts from gold through silver.
	T4023 Cyan to Purple	Color shifting flake. Color shifts from cyan through purple.
	T4024 Blue to Red	Color shifting flake. Color shifts from blue through red.
	T4025 Magenta to Gold	Color shifting flake. Color shifts from magenta through gold.
	T4026 Red to Gold	Color shifting flake. Color shifts from red through gold.

METALLICS

FLAKE SIZE	TONER SYMBOL	TONER	CHARACTERISTICS
		T471 Extra Fine Metallic	Extra fine metallic with a light flop.
		T472 Fine Lenticular Metallic	Fine bright metallic with a darker flop than T471.
		T473 Medium Metallic	Medium metallic with a darker flop than T471.
		T474 Fine Metallic	Fine metallic with a darker flop than T471.
		T475 Medium Lenticular Metallic	Medium bright metallic with a darker flop than T472.
		T476 Coarse Lenticular Metallic	Coarse bright metallic with a darker flop than T475.
		T477 Extra Coarse Metallic	Extra coarse metallic with a darker flop than T479.
		T479 Coarse Silver Dollar Metallic	Very bright metallic with a lighter flop than T476.
		T489 Medium Gold Metallic	Medium gold aluminum flake.
		T4040 Orange Flash	Deep reddish-gold aluminum flake, more intense than T489.
		T4042 Blue Aluminum	Highly chromatic blue lenticular aluminum.
		T4700 Liquid Metal	Vacuimized metal flakes that have a unique optical effect similar to a molten metal appearance.

FLAKE SIZE - SMALL MEDIUM LARGE	PICTOGRAM KEY	COLOR TRAVEL CHARACTERISTIC KEY
<p>PEARLS</p> <p>ALUMINUMS</p> <p>COLORED ALUMINUMS</p> <p>LENTICULAR ALUMINUMS</p> <p>SPECIAL EFFECTS</p>	<p>COLOR FAMILY Yellow, Green, Blue, Violet, Red, etc.</p> <p>FACE Color viewing angle that is heavily influenced by metallic or pearl pigments in a formula.</p> <p>FLOP Color viewing angle that is generally darker and influenced mostly by the conventional pigments in a metallic or pearlescent color.</p>	<p>LIGHT FACE LIGHT FLOP</p> <p>LIGHT FACE MEDIUM FLOP</p> <p>LIGHT FACE DARK FLOP</p>

FLOP ADJUSTERS

TONER SYMBOL	TONER	CHARACTERISTICS
	T491 Matting Base	Gives a more coarse flake appearance and lightens flop.
	T402 Trace White	Used in metallic colors to grey the face and lighten the flop.
	T401 Ultra Fine White	Used in metallic colors to add yellow to the face and light blue tone on the flop.
	T403 Micro White	Similar to T401. Used in metallic colors to add yellow to the face and light blue tone on the flop.

