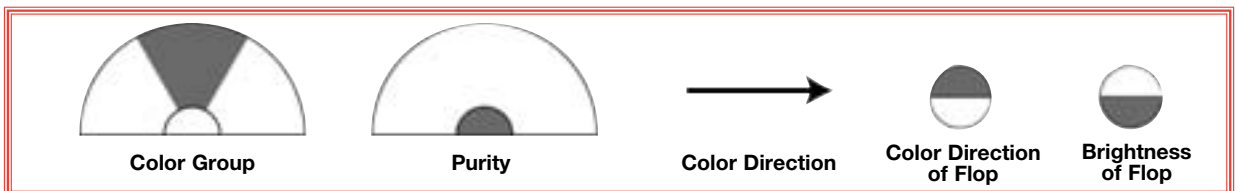


BASE COLORANTS

Blues





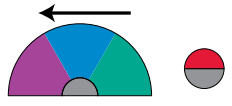
	<u>Name</u>	<u>MS #</u>	<u>Remarks</u>
	HS PC Blue	9856	Blue with a green face and a red side tone (flop).
	HS Red Shade PT Blue	9864	Blue with a slightly red face and side tone (flop).
	HS Green Shade PT Blue	9865	Blue with a green face and slightly red side tone (flop).
	HS Green Shade PT Blue	TS233	Blue with a green face and slightly red side tone (flop). Cleaner than 9865.
	HS Indo Blue	9867	Our reddest shade blue on the face and side tone (flop). Gives a red cast to both solid and metallic colors. Appears very red and dirty when used in medium to dark solid blues.
	HS Indo Blue	TS235	Our reddest shade blue on the face and side tone (flop). Gives a red cast to both solid and metallic colors. Appears very red and dirty when used in medium to dark solid blues. Cleaner than 9867.
	Basecoat Colorant	9886	Blue with a green face and Oceanic Blue green side tone (flop). Slightly greener than 9856.
	Basecoat Colorant Azure Blue	9901	Blue with a very green face and a red side tone (flop).

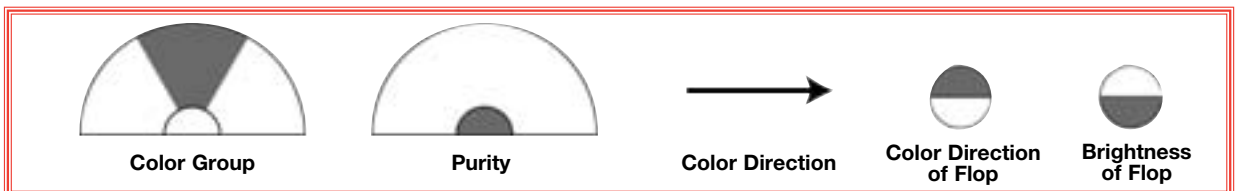


BASE COLORANTS

Blues



<u>Name</u>	<u>MS #</u>	<u>Remarks</u> BLUES
	TS276	Used to increase mixing accuracy in whites, silvers and pastel colors. Blue with a slightly green face and slightly red side tone (flop).
	TS277	Unique transparent red face and slightly green side tone (flop) PC blue. Used to tint metallic and pearl colors. Should only be used if already in the formula.
	TS280	Semi-opaque, red face and red side tone (flop) PC blue. Used to tint solid, metallic, and pearl colors.

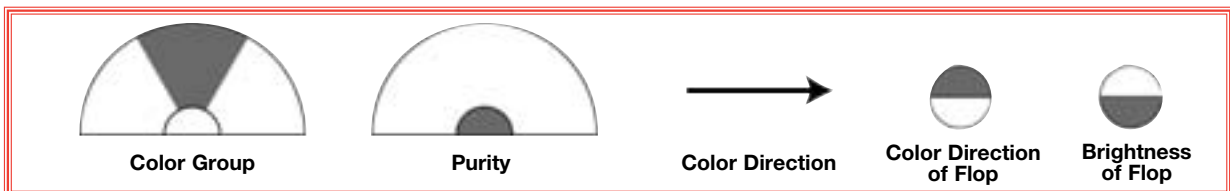


BASE COLORANTS

Violets



	<u>Name</u>	<u>MS #</u>	<u>Remarks</u>
	Carba Violet	9846	Very red shade blue on the face and side tone (flop). Do not use unless already in the formula.
	HS PT Violet	9871	Blue cast in solid and metallic colors on the face and side tone (flop). Blue and dirty compared to 9883.
	Basecoat Colorant HS Violet	9885	Basecoat colors only. Has a blue cast in solid and metallic colors on the face and side tone (flop). Blue and dirty compared to 9883.
	Low Strength Violet	TS272	Used to increase mixing accuracy in whites, silvers and pastel colors. Red shade violet.

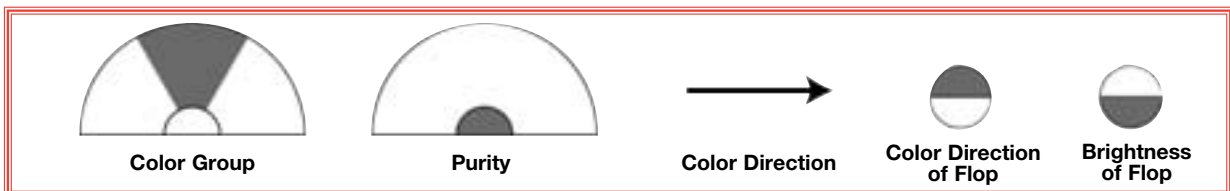


BASE COLORANTS

Magentas & Maroons





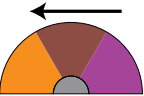



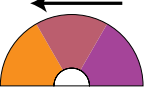

	<u>Name</u>	<u>MS #</u>	<u>Remarks</u>
	Basecoat Colorant Ultra HS Perylene Maroon	9895	Gives a blue face with a yellow side tone (flop). Used in maroons and dark red metallics.
	Basecoat Colorant Ultra HS Blue Shade Magenta	9888	Clean blue cast with a dark side tone (flop). Darker and cleaner than 9857. Primarily used in metallics.
	Basecoat Colorant Ultra HS Magenta	9883	Clean blue cast in solid and metallic colors. Cleaner than Violets 9871, or 9885.
	HS Maroon	9859	Darker on the face and side tone (flop) than HS Red 9855. Gives a dirty dark blue redness to maroons and dark red metallics. Blue and dirty compared to 9883.
	HS Golden Maroon	9868	Yellow amber cast in metallic and solid colors on face and side tone (flop).

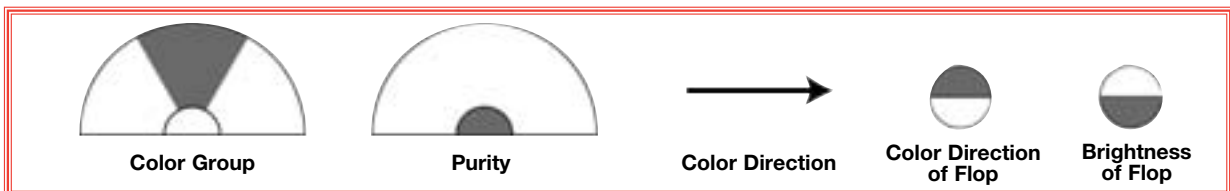


BASE COLORANTS

Reds & Oranges



	<u>Name</u>	<u>MS #</u>	<u>Remarks</u>
	Basecoat Colorant Ultra HS Monastral Red	9884	Yellow shade red on the face and side tone (flop). Used in solid reds, whites, and red metallics.
	Basecoat Colorant Ultra HS Bright Red	9887	Our cleanest and yellowest basecoat red. Do not use in white or metallics.
	Russet Red	9842	Excellent to tint solid colors. Use only small amounts when tinting metallics colors. Gives a chalky side tone (flop).
	HS Red	9855	Primarily used in metallics. Yellower on the face and side tone (flop) than Maroon 9857. Good for a yellow (gold) side tone (flop) in red metallics.
	Low Strength Red Oxide	TS273	Used to increase mixing accuracy in whites, silvers and pastel colors. Excellent to tint solid white. Use only small amounts when tinting metallics. Gives a chalky side tone (flop). Very opaque, dirty red.
	Brilliant Red	TS283	Very transparent bright blue shade red.
	Scarlet red	TS284	Very transparent bright yellow shade red.
	Orange	9890	Dirty opaque orange for use in solid red, yellow and orange colors.

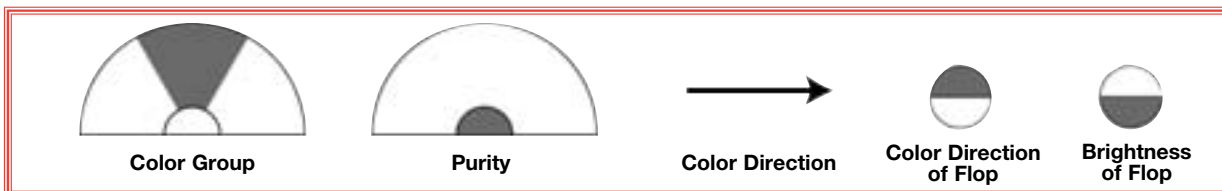


BASE COLORANTS

Yellows



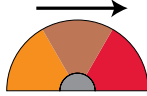

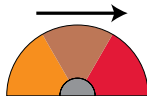

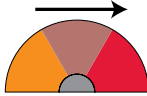







	<u>Name</u>	<u>MS #</u>	<u>Remarks</u>
	Organic Yellow	9843	Used primarily in metallics. Transparent yellow with a green face and very green side tone (flop).
	Nickel Titanate	9893	Green shade yellow. Lacks color intensity. Weak tinting effect.
	Bright Green Shade Yellow	9907	Bright Yellow with a slightly green cast. Our cleanest Yellow.
	HS Red Shade Yellow	9863	Red shade yellow on the face with a light red side tone (flop).
	HS Red Shade Yellow	TS231	Red shade yellow on the face with a light red side tone (flop). Cleaner than 9863.
	HS Low Opacity Yellow	9866	Transparent green shade yellow. Slightly greener and dirtier than Gold 9858.
	HS Ferrite Yellow	9872	Gives a dirty red shade yellow cast to solid colors.
	Low Strength Ferrite Yellow	TS275	Used to increase mixing accuracy in whites, silvers and pastel colors. Very opaque yellow.

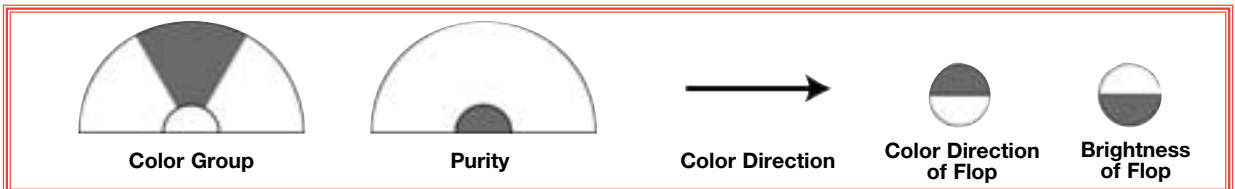


BASE COLORANTS

Golds & Greens




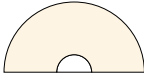

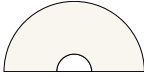
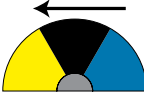

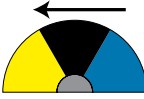

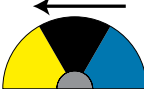



	<u>Name</u>	<u>MS #</u>	<u>Remarks</u>
	 HS Red Shade Gold	9858	GOLDS Transparent gold. Gives a red brown cast on the face and side tone (flop).
	 HS Red Shade Gold	TS222	
	 Basecoat Colorant Copper Brown	9960	
GREENS			
	 HS Yellow Shade PT Green	9869	Green with a yellow cast on the face and side tone (flop).
	 HS PT Green	9870	Green with a blue cast on the face and side tone (flop).
	 HS PT Green	TS238	Green with a blue cast on the face and side tone (flop). Cleaner than 9870.

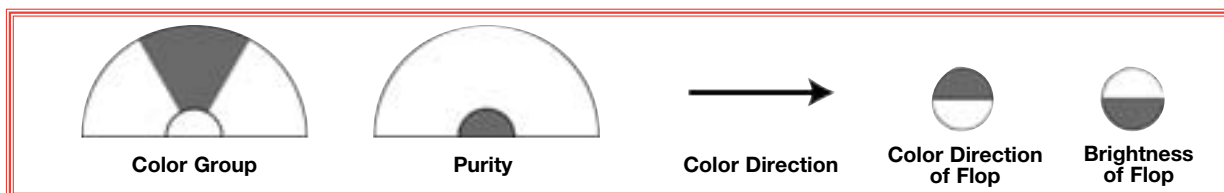


BASE COLORANTS

Whites & Blacks







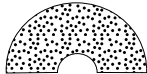
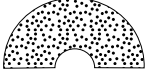


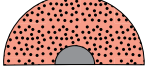
<u>Name</u>	<u>MS #</u>	<u>Remarks</u>
WHITES		
 Basecoat Colorant BC White	TS282	High strength bright white.
  White	9800	Regular strength white. Good for adjusting metallic colors in small amounts.
 Super White	9845	High Strength White used in white and light pastels. Should not be used to tint metallic colors.
BLACKS		
  Black	9801	Moves colors darker and dirtier on the face and side tone (flop). Slightly yellower on the face and side tone (flop) than Black 9854.
  HS Black	9854	Moves colors darker and dirtier on the face and side tone (flop). Slightly bluer than 9801.
  HS Black	TS218	Moves colors darker and dirtier on the face and side tone (flop). Slightly bluer than 9801. Cleaner than 9854.
  Deep Black	TS281	High jetness carbon black for use in solid blacks and to tint other colors. Readily darkens side tone (flop) of metallic colors.

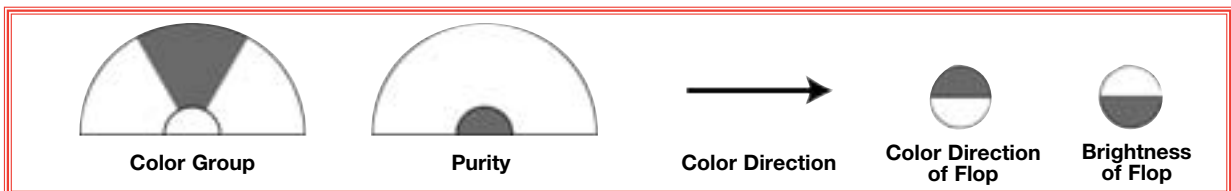


BASE COLORANTS

Basecoat Metallics





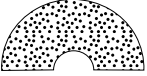


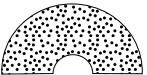
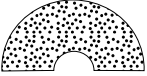
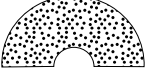


	<u>Name</u>	<u>MS #</u>	<u>Remarks</u>
	Basecoat Colorant Metallic No. 1	9847	Our finest and grayest flake.
	Basecoat Colorant Metallic No. 2	9848	Medium flake size. Lighter on the side tone (flop) than Metallic 9860.
	Basecoat Colorant Metallic No. 3	9849	Large flake size. Lighter side tone (flop) than 9922.
	Basecoat Colorant Small Metallic Flake	9860	Medium flake size. Bright on the face and slightly darker on the side tone (flop) than Metallic 9848.
	Basecoat Colorant Fine Metallic	9909	Small popcorn shape flake. Gives a grainy bright sparkle.
	Basecoat Colorant Medium Metallic	9910	Medium pancake shape flake. Gives a bright clean "metal flake" sparkle.
	Basecoat Colorant Large Metallic	9922	Large pancake shape flake. Brighter face and darker side tone (flop) than 9849.
	Basecoat Colorant Gold Metallic	9902	Medium size gold flake metallic. Used in addition to or substitute for silver metallic or mica. Gives a gold sparkle with a yellow side tone (flop).
	Basecoat Colorant Copper Metallic (MIO2)	9908	Used in addition to or substitute for metallic. Gives a copper sparkle and a slightly red brown side tone (flop).

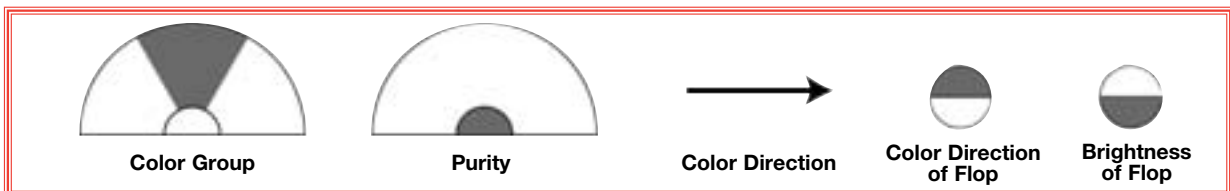


BASE COLORANTS

Basecoat Metallics



	<u>Name</u>	<u>MS #</u>	<u>Remarks</u>
	Small Metallic	TS201	Small flake size. Grayer than metallic TS206.
	Medium Metallic	TS202	Large standard flake. Lighter side tone (flop) than TS204.
	Large Metallic	TS203	Medium round shape flake. Gives a bright clean "metal flake" sparkle.
	Coarse Metallic	TS204	Large pancake shape flake. Brighter face and darker side tone (flop) than TS202.
	Paliochrome Gold	TS205	Medium size gold flake metallic. Used in addition to or substitute for silver metallic or mica. Gives a gold sparkle with a yellow side tone (flop).
	Small Bright Metallic	TS206	Small flake size. Bright on the face and slightly darker on the side tone (flop) than Metallic TS201.
	Medium Bright Metallic	TS208	Small popcorn shape flake. Gives a grainy bright sparkle.
	Medium Bright Metallic	TS211	Small popcorn shape flake. Gives a grainy bright sparkle.
	Coarse Metallic	TS212	Large pancake shape flake. Brighter face and darker side tone (flop) than TS202.
	Paliochrome Orange	TS221	Medium size orange flake metallic. Used in addition to or substitute for silver metallic or mica. Gives an orange sparkle.



BASE COLORANTS

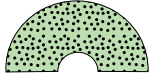
Micas



Name Pearl Tones

MS

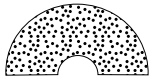
Remarks DRY MICAS



Dry Basecoat Colorant
Interference Green Mica

DMT 6

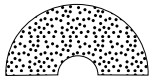
Used in addition to or substitute for metallic. Gives a blue green face and yellow green side tone (flop).



Dry Basecoat Colorant
White Mica

DMT 7

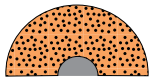
Used in addition to or substitute for metallic. Light on the face and side tone (flop). Will lighten a dark side tone without drastically changing the face. Larger particle size and darker on the side tone (flop) than DMT 8 Small White Mica.



Dry Basecoat Colorant
Small White Mica

DMT 8

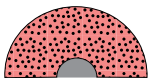
Used in addition to or substitute for metallic. Smaller particle size and lighter side tone (flop) than DMT 7 White Mica. Will lighten a dark side tone (flop) without drastically changing the face.



Dry Basecoat Colorant
Bronze Mica

DMT 9

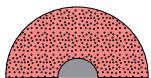
Used in addition to or substitute for metallic. Yellow face and side tone (flop).



Dry Basecoat Colorant
Russet Mica

DMT 10

Used in addition to or substitute for metallic. Red yellow face and side tone (flop). Larger particle size than DMT 11 Small Russet Mica.



Dry Basecoat Colorant
Small Russet Mica

DMT 11

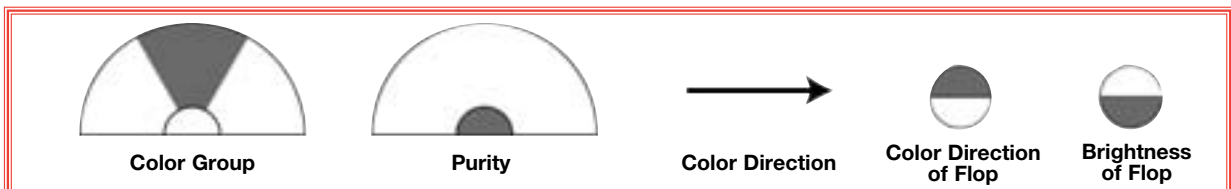
Used in addition to or substitute for metallic. Red yellow face and side tone (flop). Smaller particle size than DMT 10 Russet Mica.



Dry Basecoat Colorant
Interference Blue Mica

DMT 12

Used in addition to or substitute for metallic. Gives a blue face and side tone (flop).

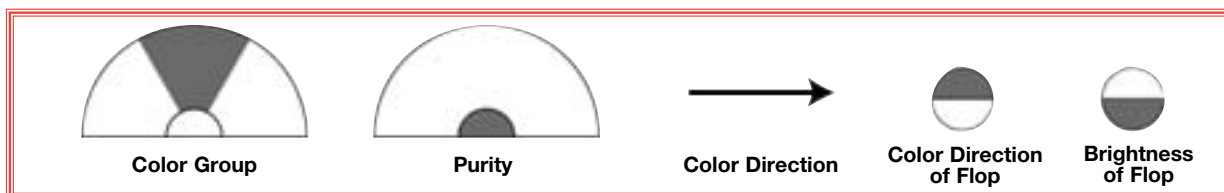


BASE COLORANTS

Micas (cont.)



	<u>Name</u>	<u>MS #</u>	<u>Remarks</u>
	Pearl Tones		DRY MICAS
	Dry Basecoat Colorant Orange Mica	DMT 13	Used in addition to or substitute for metallic. Gives an orange face with little effect on the side tone (flop).
	Dry Basecoat Colorant Lilac Mica	DMT 14	Used in addition to or substitute for metallic. Gives a red face to blue colors with little effect on the side tone (flop). Redder than DMT 25 Fine Violet Mica.
	Dry Basecoat Colorant Gold Mica	DMT 15	Used in addition to or substitute for metallic. Gives a gold-yellow face, with little effect on the side tone (flop).
	Dry Basecoat Colorant Copper Mica	DMT 16	Used in addition to or substitute for metallic. Gives a copper (red brown) face and side tone (flop). Redder than DMT 9 Bronze Mica.
	Dry Basecoat Colorant Red Mica	DMT 17	Used in addition to or substitute for metallic. Clean red blue face with little or no effect on the side tone (flop).
	Dry Basecoat Colorant Moss Green Mica	DMT 18	Used in addition to or substitute for metallic. Clean green mica with a blue green face and yellow green side tone (flop). Yellower and stronger in tinting strength than DMT 6 Green Mica.
	Dry Basecoat Colorant Fine White Mica	DMT 19	Used in addition to or substitute for metallic. Our smallest white mica with a lighter side tone (flop) than DMT 8 and DMT 9 White Miccas. Will lighten a dark side tone (flop) without drastically changing the face.
	Dry Basecoat Colorant Blue Gray Mica	DMT 20	Used in addition to or substitute for metallic. Gives a blue gray face and side tone (flop).

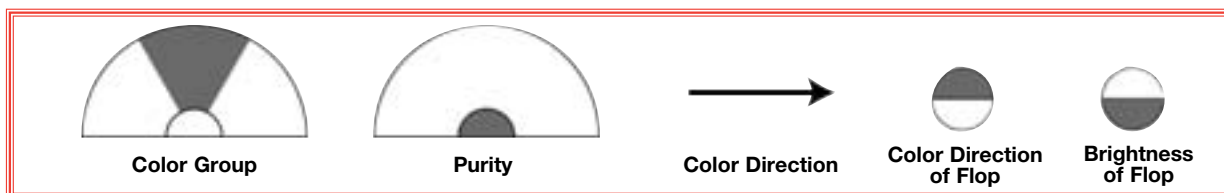


BASE COLORANTS

Micas (cont.)





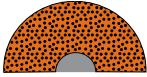



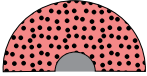





	<u>Name</u>	<u>MS #</u>	<u>Remarks</u>
	Pearl Tones		DRY MICAS
	Dry Basecoat Colorant Aqua Green Mica	DMT 21	Used in addition to or substitute for metallic. Medium particle size with a blue green face and a yellow green side tone (flop).
	Dry Basecoat Colorant Fine Blue Mica	DMT 23	Used in addition to or substitute for metallic. Gives a blue face and side tone (flop). Smaller particle size than DMT 12.
	Dry Basecoat Colorant Fine Green Mica	DMT 24	Used in addition to or substitute for metallic. Gives a blue green face and a yellow green side tone (flop). Smaller particle size than DMT 6.
	Dry Basecoat Colorant Fine Violet Mica	DMT 25	Used in addition to or substitute for metallic. Gives a red face and side tone (flop). Bluer than DMT 14 Lilac Mica.
	Dry Basecoat Colorant Scarab Red Mica	DMT 26	Used in addition to or substitute for metallic. Gives a green face with a red brown side tone (flop).
	Dry Basecoat Colorant Fine Copper Mica	DMT 27	Used in addition to or substitute for metallic. Gives a copper (red brown) face and side tone (flop). Smaller particle size than DMT 16 Copper Mica.
	Dry Basecoat Colorant Fine Gold Mica	DMT 28	Used in addition to or substitute for metallic. Gives a gold-yellow face, with little effect on the side tone (flop). Smaller particle size than DMT 15.
	White Mica	DMT 29	Clean white pearl used to match pearlescent and pearl midcoat colors. Bluer than DMT 7.



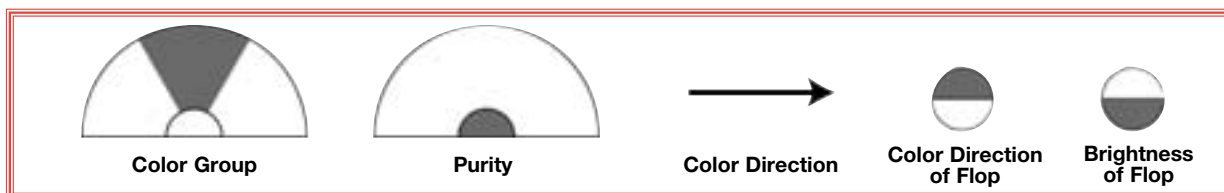
BASE COLORANTS

Micas (cont.)



<u>Name</u>	<u>MS #</u>	<u>Remarks</u>
Pearl Tones		DRY MICAS
  Crystal Silver Pearl	DMT 30	Synthetic pearlescent crystal. Smaller particle size than traditional pearl with much larger sparkle. Cleaner / less yellow side tone (flop) than traditional pearl. Tints similar to DMT 7 White Mica.
  Copper Pearl	DMT 31	Synthetic pearlescent crystal. Smaller particle size than traditional pearl with much larger sparkle. Cleaner / less yellow side tone (flop) than traditional pearl. Tints similar to DMT 16 Copper Mica.
  Radiant Gold Pearl	DMT 32	Synthetic pearlescent crystal. Smaller particle size than traditional pearl with much larger sparkle. Cleaner / less yellow side tone (flop) than traditional pearl. Tints similar to DMT 15 Gold Mica.
  Radiant Red Pearl	DMT 33	Synthetic pearlescent crystal. Smaller particle size than traditional pearl with much larger sparkle. Cleaner / less yellow side tone (flop) than traditional pearl. Tints similar to DMT 10 Russet Mica.
  Galaxy Blue Mica Pearl Tone	DMT 34	Synthetic pearlescent crystal. Smaller particle size than traditional pearl with much larger sparkle. Cleaner / less yellow side tone (flop) than traditional pearl. Tints similar to DMT 12 Blue Mica.
  Stellar Green Mica Pearl Tone	DMT 35	Synthetic pearlescent crystal. Smaller particle size than traditional pearl with much larger sparkle. Cleaner / less yellow side tone (flop) than traditional pearl. Tints similar to DMT 6 Interference Green Mica.

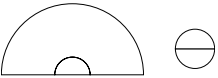
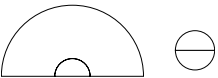

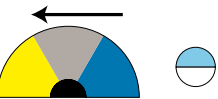

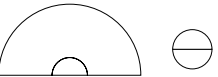
In order to insure accurate color match, it is imperative that all wet or dry mica and pearl color formulas are shaken on a mechanical shaker for a minimum of 15 minutes before reduction and application. This shaking will insure that the pearl and mica pigments are properly dispersed in the formula, guaranteeing more consistent color accuracy. Mixing these color formulas in a plastic mixing cup or metal can, followed by hand stirring, is not a recommended procedure, and can lead to unacceptably poor color match.

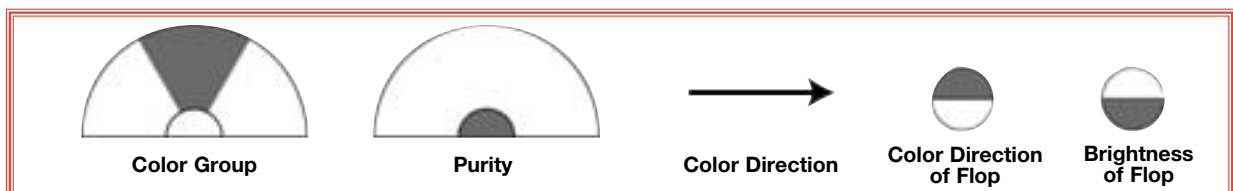


BASE COLORANTS

Specialty Toners



	<u>Name</u>	<u>MS #</u>	<u>Remarks</u>
	Pearl Tones		SPECIALTIES
	Flatting Base	22	In addition to producing flat and semi-gloss finishes, small quantities (10% or less) can be used to lighten the side tone (flop) of a metallic basecoat color and create the appearance of a larger metallic sparkle while having little effect on the face of the color. These effects are more subtle than using white or white mica.
	Interior Flatting Base	3022	Used to mix Ultra Interior colors. Do not use in exterior applications.
	Basecoat Colorant Graphitan	9889	Basecoat colors only. Used in addition to metallic and mica providing a soft antique metallic effect. In strong sunlight the side tone (flop) appears smoky brown.
	Basecoat Colorant Frost White	9879	Basecoat colors only. Used in addition to metallic or mica producing a unique frosted glaze appearance with a yellow glow on the face and a blue side tone (flop).
	Graphitan	TS213	Basecoat colors only. Used in addition to metallic and mica providing a soft antique metallic effect. In strong sunlight the side tone (flop) appears smoky brown.
	Effect Additive	TS271	In addition to producing flat and semi-gloss finishes, small quantities (10% or less) can be used to lighten the side tone (flop) of a metallic basecoat color and create the appearance of a larger metallic sparkle while having little effect on the face of the color. These effects are more subtle than using white or white mica.

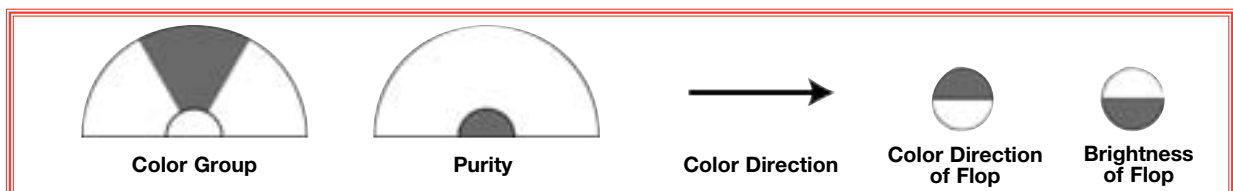


BASE COLORANTS

Specialty Toners



<u>Name</u>	<u>MS #</u>	<u>Remarks</u>
Pearl Tones		Mixing Clears
Clear Binder	TS209	Basecoat colors only. Basecoat balancing clear.
3-Stage Mixing Clear	TS215	Basecoat colors only. Used in 3-Stage mid-coat colors.

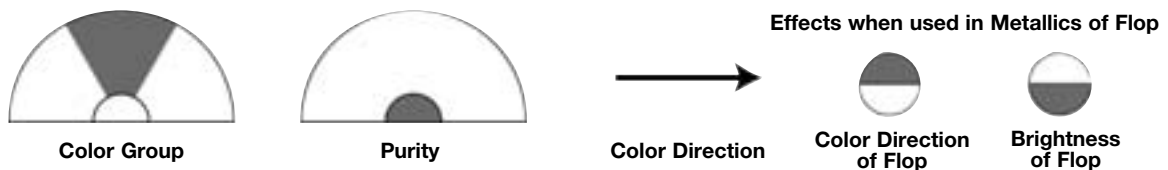


Using the Tec/SYSTEM® Colorant Pictographs



The characteristics of color are consistent throughout the world, therefore the Tec/SYSTEM® toner pictographs are designed to provide paint/color technicians a visual explanation of the characteristics of each colorant, independent of the technicians language or geographical location. Just as with a printed description of color characteristics, a basic knowledge of color theory is necessary to effectively utilize this tool.

The pictograph shows each colorant's characteristics of Depth, Cast, and Grayness from both Face and Flop (Side Tone) as follows:



Example: Characteristics of 9864 HS Red Shade PT Blue.

		HS Red Shade PT Blue	9864	Blue with a slightly red face and side tone (flop).
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1) Color Group is the Basic Color.

In the example given above, the “Color Group” is “Blue”. Colorant groups are Blue, Violet, Magenta, Maroon, Red, Orange, Yellow, Gold, Green, White, Black, Metallic, Mica, and Specialty.

2) Purity.

Indicates how “Clean” or “Dirty / Gray” the colorant appears when viewed from the “Face”. The white icon indicates that 9864 is a “clean” or “pure” blue. In simplest terms, “Pure” or “Clean” indicates an absence of Grayness; the term “Dirty” indicates the presence of Grayness.

3) The arrow.

Indicates “Color Direction” or “Cast” of the colorant as viewed from the “Face” or “Head On”. Each colorant group can vary in only two directions and are indicated to the right and left of the “Color Group” icon. The arrow indicates that 9864 is a “Red Shade” Blue.

4) Color direction of Flop.

The “Red” icon indicates that when used in a metallic color, this blue appears “red” or “purple” when viewed from an angle.

5) Brightness of Flop.

The “gray” icon indicates that when used in a metallic color, this blue has a slightly “dark” appearance when viewed from an angle.