



## SPIES HECKER SOLVENT TINT LIST 2011

Mix SH	Face	Flop	Description
MB 501	white	white	Use only in small amounts in effect colours. It produces a pale Flop. Use in solids colours to make the colours paler, less chromatic
MB 299	Transparent	Transparent	Used in 3-stage colors for stabilization
MB 527	Black	Black	Tinting black with blue hue which is well suited for grey color shades. Added to chromatic colors, the color becomes less chromatic, darker and greyer. No dark flop in effect colors. Should not use in colors that do not contain white due to color depth.
MB 502	Black	Deep, slightly yellow black	Deep black used for solid and metallic colors. Has brownish, yellowish hue. Adding it to chromatic colors makes the colors less chromatic, greyer and darker. Produces dark flop in effect colors. Deep and chromatic. Mixed with MB527 for light-dark flop.
MB 505	Reddish, dirty yellow	Reddish, dirty yellow	A chromatic oxide yellow with reddish shade used in cream, beige, tan and brown colors. Also added to effect colors in small quantities to make a milky yellow flop.
MB 506	Dirty red	Dirty red	Dirty oxide red used mainly in ivory, beige, and brown color shades with little color depth to create red hue. Only use small amounts in effect colors to produce lighter, milky red flop.
MB 542	Yellow	Light Bluish	Effect white that creates a frost effect in colors. Yellowish face and light bluish flop.
MB 523	Red	Yellow	Transparent, clean, reddish yellow for pure, brilliant solid and effect colors. Produces brilliant yellow flop in effect colors.
MB 503	Red	Red	Medium bright red with blue effect. Recommended for opaque red tints particularly deep. Good resistance to weathers in mixing with organic colored pigments. Mix only in effect tints with pearl.
MB 575	Grey	Bluish Grey	Anthracite colored effect pigment. Used only in effect colors to product smoky effect. Has "silky", slightly bluish flop.
MB 556	Violet	Violet with reddish cast	Pure bluish violet used in solid and metallic colors. Creates a reddish cast in blue colors
MB 577	Bluish red	Bluish red	Clean, medium red with blue cast for mixing with other red toners in solid and effect colors. Produces pink when mixed with white or metallics. Slightly brighter and yellower than MB529
MB 543	Brilliant red	Brilliant red	Bright, clean red with orange shade. Used mainly for bright solid red colors. Not normally used in effect colors. Use in effect colors only if light red flop is needed.
MB 799	Transparent	Transparent	Used in effect colors to change the flop effect. Makes metallics coarser. Adding to effect colors causes the face of the color to be darker and greyer and lighter on the flop. Maximum addition is 15%.
MB 532	Transparent yellow	Transparent, dark yellow	Highly transparent yellow oxide used to produce a bronze-yellow shade in effect colors. Produces lighter gold face and dark flop.
MB 533	Reddish yellow	Reddish yellow	Bright, clean yellow with a reddish shade. Mainly used for yellow orange and green colors or in yellowish browns. Use only small amounts in effect colors to produce bright yellow flop.
MB 521	Greenish Yellow	Greenish Yellow	Higher pigmented version of MB528 for increased opacity.

MB 528	Greenish Yellow	Greenish Yellow	Clean, bright yellow with a strong green shade. Used mainly for yellow-green solid and effect colors. A high amount produces bright yellow flop And a small amount produces a slightly greenish flop in effect colors.
MB 529	Bluish red	Bluish red	Bright red with blue shade used in solid and metallic colors. Used in light and dark red colors. Mixing with white or metallic creates a clean pink shade. The Flop is dirtier than MB577 but cleaner than MB536
MB 558	Very brilliant	Very dark	Medium, slightly coarse silver for clean, brilliant metallic colors. Has dark flop. Has a big "silver dollar" appearance.
MB 553	Green	Red	Brilliant, transparent blue that produces green face and red flop in effect colors. It is redder than every other blue
508	Very Brilliant	Light	Medium Fine silver. More bright under sun light. Very light flop and darker in side tone.
509	Very Brilliant	Light	Medium Fine silver. More bright under sun light( less than 508). Very light flop and darker in side tone.
MB 538	Bluish green	Bluish green	Transparent green with blue cast used in solid and effect colors. Used in light and dark green color shades. Can be used in yellows and blues to make than greener.
MB 557	Very brilliant	Very dark	Fine silver for clean, brilliant metallic colors. Has darker flop than MB514.
560	Light Brilliant	Very light	Special silver with mirror effect. Very light flop. Use only with smooth undercoat to become mirror effect.
MB 535	Orange	Orange	Lead-free orange suited for solid colors, especially bright red and orange shades. Use only small amounts in effect colors only if light orange flop is needed.
MB 531	Transparent copper	Transparent copper	Transparent iron oxide used to produce bright reddish copper shade in effect colors. Creates a dark flop effect. The Face is brilliant.
MB 554	Greenish blue	Very green blue	Clean, transparent blue with slight green cast for solid and effect colors. Produces slight green flop in effect colors.
MB 552	Dirty blue	Pale red/blue	Transparent reddish blue for solid and metallic colors. Creates red flop in effect colors.
MB 513	Light and brilliant	Fairly dark	Coarse, very brilliant silver metallic toner.
MB 514	Light and brilliant	Medium dark	Medium coarse, brilliant silver metallic toner.
MB 581	Brownish red	Brownish red with yellow cast	Brownish red used for darker red colors. Maroon shade is good for darker red effect colors.
MB 516	Grey	Light	Finest metallic. Very light flop and dull grey face. The face is darker greyer and not so brilliant like MB514.
MB 524	red	yellowish red	Clean transparent red with orange cast used in metallics. Gives clean red face and dark yellow flop.
MB 522	Yellowish green	Yellowish green	Clean, transparent green with yellow cast used in solid and effect colors. Use in light and dark green shade colors. Can be mixed with yellow to produce lime-green color shades.
MB 518	Light, brilliant	Medium light, pale	Fine, brilliant silver metallic toner. Finer than MB514
MB 520	Violet	Reddish Violet	Lower strength bluish violet for solid and effect colors. Created reddish cast in blue solid and effect colors.
MB 525	Black	Black	Tinting black is similar to MB527 but lower strength. Used only for tinting solid and effect colors.
MB 547	Reddish blue	Dirty Reddish blue	A transparent very reddish Blue. Use for solid and effect colours. I creates a strong reddish dirty Flop. It is cleaner than MB552
MB 555	Reddish blue	Reddish blue	Clean, transparent blue for solid and effect colors with slightly red, light flop.

MB 549	Light, brilliant	Medium light	Fine, brilliant silver metallic toner.
MB 578	Greenish Yellow	Greenish Yellow	Very transparent yellow green used in solid and metallic colors. Mixing with metallics produces greenish yellow face and dark yellow flop.
MB 536	Bluish red	Bluish red	Darker red with blue cast used mainly for darker red solid and effect colors. Dirtier and much bluer than MB529
MB 574	Black	Brownish black	Brownish deep black for tinting effect colors with a particularly dark flop. Deeper than MB502. Use is sense full if the needed amount is higher than 40%
MB 530	Transparent copper	Transparent copper	Transparent iron oxide used only in metallic or pearl colors to produce a brilliant, golden copper effect. Similar to MB531 but slightly cleaner and yellower. Creates a very dark flop.
MB 570	Silver white	Silver white	Fine white pearl toner.
MB 591	Silver white	Silver white	Coarse white pearl toner.
MB 592	Transparent yellow	Transparent bluish	Medium coarse yellow pearl toner.
MB 594	Bright, red	Red	Fine opaque red pearl toner.
MB 593	Transparent blue	Transparent yellowish	Transparent, coarse blue pearl toner.
MB 595	Bright, red	Red	Coarse opaque red pearl toner.
MB 561	Opaque bluish green	Opaque yellowish green	Medium coarse green pearl toner.
MB 563	Transparent blue	Transparent yellowish	Medium blue pearl with red cast.
MB 572	Transparent green	Transparent bright reddish	Transparent green pearl toner. Finer than MB561
MB 571	Transparent violet	Transparent bright greenish	Medium coarse red pearl toner
MB 564	Opaque brownish red	Opaque brownish red	Medium copper pearl
MB 568	Transparent red-violet	Transparent bright greenish	Medium coarse transparent red-violet pearl toner.
MB 586	Silver white	Pale silver white	Extra fine silver white pearl toner.
MB 587	Transparent blue	Transparent yellowish	Transparent, extra fine blue pearl toner with a red cast.
MB 588	Opaque green	Opaque green	Medium coarse brilliant pearl toner
MB 589	Bright, red	Bright, red	Opaque red pearl toner with bluish cast.
MB 596	Silver White	Silver white sparkling	Coarse white Xirallic toner with a sparkle effect in the sidetone.
MB 597	Bright red	Bright red sparkling	Coarse red xirallic toner with a sparkle effect in the sidetone.
MB 583	Transparent yellow	Transparent bluish, sparkling	coarse yellow toner with a sparkle effect in the sidetone.
MB 584	Brownish red	Brownish red sparkling	Opaque coarse red xirallic toner with a sparkle effect in the sidetone.
MB 598	Transparent Green	Transparent Green, sparkling	Transparent coarse green Xirallic toner with a sparkle effect in the sidetone.
MB 585	Transparent Blue	Transparent Blue, sparkling	Transparent coarse blue Xirallic toner with a sparkle effect in the sidetone.
MB 510	Light brilliant	Dark	Very coarse, brilliant silver metallic toner.
MB 582	Brownish red	Brownish red with yellow cast	Transparent maroon used only in effect colors. It is more brilliant and in Flop it is darker than MB581.
MB 579	Bright gold	Bright gold	A bright gold effect toner. In the pure tone it is opaque.
MB 876	Bright Orange	Bright Orange	A bright orange effect toner. In the pure tone it is opaque.
MB 580	Violet	Green	Special effect tint. Colorstream. Flop change from Violet to Green

	Extra deep black	Extra deep black	Use only as pure tone
	Deep black	Deep black	Use only as pure tone
MB 544	Brilliant red	Brilliant red	High pigmented version of MB543
MB 511	White	White	Higher pigmented version of MB501.



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801	white	white	Use only in small amounts in effect colours. It produces a pale Flop. Use in solids colours to make the colours paler, less chromatic
827	Black	Black	Tinting black with blue hue which is well suited for grey color shades. Added to chromatic colors, the color becomes less chromatic, darker and greyer. No dark flop in effect colors. Should not use in colors that do not contain white due to color depth.
805	Reddish, dirty yellow	Reddish, dirty yellow	A chromatic oxide yellow with reddish shade used in cream, beige, tan and brown colors. Also added to effect colors in small quantities to make a milky yellow flop.
807	Dirty red	Dirty red	Dirty oxide red used mainly in ivory, beige, and brown color shades with little color depth to create red hue. Only use small amounts in effect colors to produce lighter, milky red flop.
823	Red	Yellow	Transparent, clean, reddish yellow for pure, brilliant solid and effect colors. Produces brilliant yellow flop in effect colors.
808	Red	Red	Medium bright red with blue effect. Recommended for opaque red tints particularly deep. Good resistance to weathers in mixing with organic colored pigments. Mix only in effect tints with pearl.
811	Dirty red	Dirty red	reduced red iron oxide. Has lower colourstrength than WB807
875	Grey	Bluish Grey	Anthracite colored effect pigment. Used only in effect colors to product smoky effect. Has "silky", slightly bluish flop.
856	Violet	Violet with reddish cast	Pure bluish violet used in solid and metallic colors. Creates a reddish cast in blue colors
877	Bluish red	Bluish red	Clean, medium red with blue cast for mixing with other red toners in solid and effect colors. Produces pink when mixed with white or metallics. Slightly brighter and yellower than WB829
803	Black	Deep, slightly yellow black	Deep black used for solid and metallic colors. Has brownish, yellowish hue. Adding it to chromatic colors makes the colors less chromatic, greyer and darker. Produces dark flop in effect colors. Deep and chromatic. Mixed with WB827 for light-dark flop
882	Brownish red	Brownish red with yellow cast	Transparent maroon used only in effect colors. It is more brilliant and in Flop it is darker than WB881
843	Brilliant red	Brilliant red	Bright, clean red with orange shade. Used mainly for bright solid red colors. Not normally used in effect colors. Use in effect colors only if light red flop is needed.
833	Reddish yellow	Reddish yellow	Bright, clean yellow with a reddish shade. Mainly used for yellow orange and green colors or in yellowish browns. Use only small amounts in effect colors to produce bright yellow flop.
851	Greenish yellow	Greenish yellow	Clean bright yellow with a green cast. Used mainly for yellow and green colours. Small amounts may be used in effect colors for a light yellow/green sidetone
829	Bluish red	Bluish red	Bright red with blue shade used in solid and metallic colors. Used in light and dark red colors. Mixing with white or metallic creates a clean pink shade. The Flop is dirtier than WB877 but cleaner than WB836.
853	Greenish blue	Reddish blue	Brilliant, transparent blue that produces green face and red flop in effect colors. It is redder than every other blue

859	Reddish blue	Reddish blue	Clean, transparent blue for solid and effect colors with slightly red, light flop.
838	Bluish green	Bluish green	Transparent green with blue cast used in solid and effect colors. Used in light and dark green color shades. Can be used in yellows and blues to make than greener.
857	Very brilliant	Very dark	Fine silver for clean, brilliant metallic colors. Has darker flop than WB814.
835	Orange	Orange	Lead-free orange suited for solid colors, especially bright red and orange shades. Use only small amounts in effect colors only if light orange flop is needed.
831	Transparent copper	Transparent copper	Transparent iron oxide used to produce bright reddish copper shade in effect colors. Creates a dark flop effect. The Face is brilliant.
854	Greenish blue	Very green blue	Clean, transparent blue with slight green cast for solid and effect colors. Produces slight green flop in effect colors.
813	Light and brilliant	Fairly dark	Coarse, very brilliant silver metallic toner. It creates light brilliant Face and the Flop is darker than WB814
815	Light brilliant	Dark	Very coarse, brilliant silver metallic toner.
814	Light and brilliant	Medium dark	Medium coarse, brilliant silver metallic toner.
858	Light	Dark	Medium silver dollar type. In Flop it has more sparkle and it is darker than WB857
817	Grey	Light	A very fine silver. It is finer and lighter than MB816 in Flop.
881	Brownish red	Brownish red with yellow cast	Brownish red used for darker red colors. Maroon shade is good for darker red effect colors.
879	Bright gold	Bright gold	A bright gold effect toner. In the pure tone it is opaque.
821	dirty reddish yellow	dirty reddish yellow	Reduced yellow iron oxide. Has lower colourstrength than WB805
816	Grey	Light	Finest metallic. Very light flop and dull grey face. The face is darker greyer and not so brilliant like WB814. The Flop is lighter than WB814.
822	Yellowish green	Yellowish green	Clean, transparent green with yellow cast used in solid and effect colors. Use in light and dark green shade colors. Can be mixed with yellow to produce lime-green color shades.
818	Light, brilliant	Medium light, pale	Fine, brilliant silver metallic toner.
820	Violet	Reddish Violet	Lower strength bluish violet for solid and effect colors. Created reddish cast in blue solid and effect colors. Can also be used to fine- tint white and silver colors.
825	Black	Black	Tinting black is similar to WB827 but lower strength. Used only for tinting solid and effect colors.
837	Reddish blue	Dirty Reddish blue	A transparent very reddish Blue. Use for solid and effect colours. I creates a strong reddish dirty Flop.
352	Dirty greenish yellow	Dirty greenish yellow	transparent greenish yellow
842	Yellow	Light Bluish	Effect white that creates a frost effect in colors. Yellowish face and light bluish flop.
836	Bluish red	Bluish red	Darker red with blue cast used mainly for darker red solid and effect colors. Dirtier and much bluer than WB829
800	Transparent	Transparent	Used in effect colors to change the flop effect. Makes metallics coarser. Adding to effect colors causes the face of the color to be darker and greyer and lighter on the flop. Maximum addition is 15%.
870	Silver white	Silver white	Fine white pearl toner.
891	Silver white	Silver white	Coarse white pearl toner.

892	Transparent yellow	Transparent bluish	Medium coarse yellow pearl toner.
894	Bright, red	Red	Fine opaque red pearl toner.
893	Transparent blue	Transparent yellowish	Transparent, coarse blue pearl toner.
895	Bright, red	Red	Coarse opaque red pearl toner.
861	Opaque bluish green	Opaque yellowish green	Medium coarse transparent green pearl toner.
863	Transparent blue	Transparent yellowish	Medium blue pearl with red cast.
872	Transparent green	Transparent bright reddish	Transparent green pearl toner. Finer than WB861
871	Transparent violet	Transparent bright greenish	Medium coarse red pearl toner
864	Bright, brownish red	Bright, brownish red	Medium copper pearl
868	Transparent red-violet	Transparent bright greenish	Medium coarse transparent red-violet pearl toner.
886	Silver white	Pale silver white	Extra fine silver white pearl toner.
887	Transparent blue	Transparent yellowish	Transparent, extra fine blue pearl toner with a red cast.
889	Bright, bluish red	Bright, red	Opaque red pearl toner with bluish cast.
896	Silver White	Silver white sparkling	Coarse white Xirallic toner with a sparkle effect in the sidetone.
897	Bright red	Bright red sparkling	Coarse red xirallic toner with a sparkle effect in the sidetone.
883	Transparent yellow	Transparent bluish, sparkling	coarse yellow toner with a sparkle effect in the sidetone.
884	Bright brownish red	Bright brownish red sparkling	Opaque coarse red xirallic toner with a sparkle effect in the sidetone.
898	Transparent Green	Transparent Green, sparkling	Transparent coarse green Xirallic toner with a sparkle effect in the sidetone.
885	Transparent Blue	Transparent Blue, sparkling	Transparent coarse blue Xirallic toner with a sparkle effect in the sidetone.
802	Deep Black	Deep Black	very deep black with a bluish hue
876	Bright Orange	Bright Orange	A bright orange effect toner. In the pure tone it is opaque.
880	Violet	Green	Special effect tint. Colorstream. Flop change from Violet to Green
560	Light Brilliant	Very light	Special silver with mirror effect. Very light flop. Use only with smooth undercoat to become mirror effect.
888	Transparent	Transparent	Used in 3-stage colors for stabilization



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Mix SH	Face	Description
HG 720	White	Use in solids colours to make the colours paler, less chromatic
HL 721	White	White with medium color strength
HG 733	gelb	Clean bright yellow. Redder than HG 732
HG 722	Black	Deep black used has brownish, yellowish hue. Adding it to chromatic colors makes the colors less chromatic, greyer and darker.
HG 729	Bluish green	Transparent green with blue cast. Used in light and dark green color shades.
HG 731	Yellowish green	Clean, transparent green with yellow cast . Use in light and dark green shade colors. Can be mixed with yellow to produce lime-green color shades.
HG 736	Bluish red	Bright red with blue shade used in light and dark red colors. Mixing with white creates a clean pink shade.
HG 740	Reddish, dirty yellow	A chromatic oxide yellow with reddish shade used in cream, beige, tan and brown colors. The pure tone is opaque and less chromatic.
HG 726	Blue	Clean blue with red cast
HL 723	Black	reduced black. Has less colour strength than HG 722
HG 737	Brilliant red	Bright, clean red with orange shade. Used mainly for bright and dark red colors.
HG 727	Brilliant Blue	clean transparent blue. Greener than HG 726
HG 735	Orange	Lead-free orange suited for especially bright red and orange shades.
HG 738	Brownish red	Brownish red used for darker red colors with brownish cast.
HG 724	Violet	Pure bluish violet . Creates a reddish cast in blue colors
HG 739	Bluish red	Darker red with blue cast used mainly for darker red colors. Dirtier and much bluer than HG 736
HG 734	Reddish yellow	Bright, clean yellow with a reddish shade. Mainly used for yellow orange and green colors or in yellowish browns.
HG 732	Greenish yellow	Clean, light yellow with green cast. It is mainly used in yellow/green colours
HG 742	Dirty red	Dirty oxide red used mainly in ivory, beige, and brown color shades with little color depth to create red hue. The pure tone is opaque and less chromatic.
HG 725	dark blue	Mainly used for dark blue colours. Darker and redder than HG 726
HL 728	blue	reduced blue. Has less colour strength than HG 727
HL 730	green	reduced green. Has less colour strength than HG 729
HG 741	Reddish, dirty yellow	reduced reddish, dirty yellow. Has less colour strength than HG 740