

MJ COAT

**AUTO PAINT
BODY FILLER**

Product Manual

*Classic MJ COAT,
Painting The World!*

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**KINGFIX
COAT**

Wengyuan Henghui Chemical Coating Co.,Ltd

Introduction

Wengyuan Henghui Chemical Coating Co.,Ltd. Which engaged in the development, production, and sales of auto paint, wood paint and polyester putty, was established in 1996.

The Factory located in Shaoguan, Guangdong province, covers an area of 50,000 square meters. We have attained certification of quality management system ISO 9001:2000, environmental management system ISO 14001:1996. We have passed the inspection of authoritative institutions such as SGS, Quality Supervision, 3C etc.

We always use famous brand of raw materials for our products, we have professional technicians and workers, and we have scientific and high efficient management, which make our products keeping pace with international standard. At present, we already become the leading enterprise in terms of sales volume due to our superior quality, competitive price, and excellent service.

Wish to be good business partner to your company and let's make a splendid future together.

1996 Wengyuan Henghui Chemical Coating Co.,Ltd. set up in Zhongshan, China. And produce and sale to local city with "MINGJU" brand.

1999 Company open new office brand in Shunde, Foshan city. And sale to the whole country.

2002 Employed top engineer from PPG to develop new formula.

2005 Attend local furniture exhibition, Shanghai Automechanika and Auto Show.

2010 Established new factory in Shaoguan, with 30,000 square meter.

2014 Began to export with "KINGFIX COAT" brand. And attend Canton Fair each year.

2016 Enlarge factory area up to 50,000 square meter.

2017 In order to develop more overseas markets, register new brand "MJ COAT". And begin to visit different country to understand each market.

2018 Begin to attend international exhibition in different countries.



Directory

Introduction 01

Content Index 02

2K Top Coat 03

1K Base Coat 04

1K Primer/1K Plastic Primer 05-06

2K Primer/2K Epoxy Primer 07-08

Clear Coat 09-12

Hardener&Thinner 13-14

Other Additives 15-16

Polyester Putty 17-18

Refinishing Procedures Flow Chart 19

Products List 20-22



2K TOP COAT TINTERS

Features:

It is bi-component car refinish paint series, high quality single coat system. It can be cured under room temperature or through low-temperature baking. With the following advantages: fast drying, high hardness, high gloss, bright color, excellent covering power, easy spraying, etc.

Substrate: Sanded and dried existing finishes, 1K or 2K primer

Mixing ratio: 1: 0.5: 0.2-0.3

100 parts 2K Top Coat

50 parts Hardener

15-25 parts Thinner

Pot Life: 4 hours at 20°C

Spray coats: 2-3 coats (Flash off time 5-10 min between coats, 20°C)

Dry Time: Surface drying time: 15 min

Polish time: 6-8 hours, 20°C

Drying with infrared : 30 min, 60°C

Storage: Sealed stored in dry conditions within the temperature range 15°C to 20°C and relative humidity range 55% to 75%.

Shelf Life: 2 years in original sealer can in cool and dry place at 20°C

Package (per carton): 1L*12can, 4L*4can, 20L, 200L



1K BASE COAT TINTERS

Features:

It is high quality base coat series. two coats and three coats system. Silver, pearl or solid color tinters are included. Excellent covering power, metallic effect, easy spraying.

Extra fast drying and high quality finish. Good covering power and leveling. Complete color coverage range with outstanding color accuracy.

For metallic colors, it is high solid and high coverage. Varied color cover full range with high color saturation.

Substrate: Sanded and dried existing finishes, 1K or 2K primer

Mixing ratio: 1: 1

100 parts 1K Base coat

100 parts Thinner

Spray coats: 2-3 coats (Flash off time 3-5 min between coats, 20°C)

Dry Time: 15 min, 20°C

Drying with infrared: 3-5 min 60°C

Storage: Sealed stored in dry conditions within the temperature range 15°C to 20°C and relative humidity range 55% to 75%.

Shelf Life: 2 years in original sealer can in cool and dry place at 20°C

Package (per carton): 1L*12can, 4L*4can, 20L, 200L



1K PRIMER

Features:

one component, fast dry, easy sanding, excellent filling power, and good adhesion to the top coat.

Substrate: Dried and sanded existing finishes, all kinds of primer and putty

Mixing ratio: 1: 1-1.2
100 parts 1K Primer
100-120 parts Thinner

Spray coats: 2-3 coats(Flash off time 4-6 min between coats, 20°C)

Dry Time: Surface drying time: 5-10 min
Sanding time: 30min, 20°C
Drying with infrared :3-5 min, 60°C)

Storage: Sealed stored in dry conditions within the temperature range 15°C to 20°C and relative humidity range 55% to 75%.

Shelf Life: 2 years in original sealer can in cool and dry place at 20°C.

Package (per carton): 1L*12can, 4L*4can



1K PLASTIC PRIMER

Features:

No need to dilute, can be used directly. Suitable for plastic substrates and coats, various plastic components on car body.

Substrate: Sanded and cleaned surface of plastic substrate (PP, ABS, PA, except pure PP and PE)

Mixing ratio: No need to add other additives

Spray coats: 1-2 coats wet spray 5-8um thickness

ALL Time: Surface drying time: 5 min
Sanding time: 20 min, 20°C
Drying with infrared :3-5 min, 60°C)

Storage: Sealed stored in dry conditions within the temperature range 15 to 20°C and relative humidity range 55% to 75%.

Shelf Life: 2 years in original sealer can in cool and dry place at 20°C.

Package (per carton): 1L*12can, 4L*4can



2K PRIMER

Features:

High filling power, excellent inter-layer adhesion, fast dry and easy sanding. It can improve the fullness, brightness and gloss of the top coat. The color of the 2K primer can be adjusted according to the top coat's color.

Substrate: Dried and sanded existing finishes, all kinds of primer and putty

Mixing ratio: 4:1:1
100 parts 2K Primer
25 parts Hardener
25 parts Thinner

Pot Life: 2 hours at 20°C

Spray coats: 2-3 coats (Flash off time 5-10 min, 20°C)

Dry Time: Surface drying time: 15 min
Sanding time: 4 hours, 20°C
Drying with infrared: 30-40 min, 60°C

Storage: Sealed stored in dry conditions within the temperature range 15°C to 20°C and relative humidity range 55% to 75%.

Shelf Life: 2 years in original sealer can in cool and dry place at 20°C.

Package (per carton): 1L*12can, 4L*4can



2K EPOXY PRIMER

Features:

Excellent adhesion, anti-rust and anti-corrosion on bare metal including galvanized steel plate, fast dry and ready for direct putty application. Provide fine adhesion between car body and good sanding properties.

Substrate: Sanded and clean galvanized steel sheet, aluminum, stainless steel, existing finishes, fiberglass surface, common metals, etc.

Mixing ratio: 4: 1: 1-1.2
100 parts 2K Epoxy Primer
25 parts Epoxy Primer Hardener
25-30 parts Thinner

Pot Life: 4 hours at 20°C

Spray coats: 2 -3coats (Flash off time 5-10 min between coats, 20°C)

Dry Time: Surface drying time: 15 min
Sanding time: 10 hours, 20°C
Drying with infrared :40-60 min, 60°C

Storage: Sealed stored in dry conditions within the temperature range 15°C to 20°C and relative humidity range 55% to 75%.

Shelf Life: 2 years in original sealer can in cool and dry place at 20°C.

Package (per carton): 1L*12can, 4L*4can



MS CLEAR COAT: Item No: ES810

Features:

It is standard clear coat with medium solid especially formulated for spraying over 1K base coat to give it glossy and excellent appearance. Good thick film and excellent leveling .

Mixing ratio: 1: 0.5: 0.2-0.3
100 parts Clear Coat ES810
50 parts Hardener EC21/22/23
15-25 parts Thinner



Pot Life: 4 hours at 20°C

Spray coats: 2-3 coats (Flash off time 5-10 min between coats,20°C)

Dry Time: Skin dry time: 20-30 min, 20°C
Polish time: 8-10 hours, 20°C
Drying with infrared : 1 hour, 60°C



Storage: Sealed stored in dry conditions within the temperature range 15 to 20°C and relative humidity range 55% to 75%.



Shelf Life: 2 years in original sealer can in cool and dry place at 20°C.

Package (per carton): 1L*12can, 4L*6can, 5L*4can

MS CLEAR COAT: Item No: ES820/ES830

Features:

It is high glossy medium solid acrylic clear coat. Excellent fullness and leveling. Good weathering and yellow resistance. Fast drying with outstanding hardness.

Mixing ratio: 1: 0.5: 0.2-0.3
100 parts MS Clear Coat ES820/ES830
50 parts Hardener EC25/26/27
15-25 parts Thinner



Pot Life: 4 hours at 20°C

Spray coats: 2-3 coats (Flash off time 5-10 min between coats,20°C)

Dry Time: Skin dry time: 20-30 min, 20°C
Polish time: 8-10 hours, 20°C
Drying with infrared : 1 hour, 60°C



Storage: Sealed stored in dry conditions within the temperature range 15 to 20°C and relative humidity range 55% to 75%.



Shelf Life: 2 years in original sealer can in cool and dry place at 20°C.

Package (per carton): 1L*12can, 4L*6can, 5L*4can

HS CLEAR COAT

Item No:ES950/ES980/ES999

Features:

It is high solid content and fast dry acrylic clear coat. Especially formulated for spray over 1K base coat to give very glossy finishing. Excellent yellow and weather resistant. Outstanding flow, leveling and anti-scratch. Good thick film and clear appearance.

Mixing ratio: 1: 0.5: 0.2-0.3

100 parts HS Clear Coat ES950/ES980

50 parts Fast/Standard/Slow Hardener EC31/32/33

15-25 parts Thinner

100 parts Clear Coat ES999

50 parts Fast/Standard/Slow Hardener EC908/907/906

15-25 parts Thinner

Pot Life: 4 hours at 20°C

Spray coats: 2-3 coats (Flash off time 5-10 min between coats,20°C)

Dry Time: Skin dry time: 30 min, 20°C

Polish time: 8-10 hours, 20°C

Drying with infrared : 1 hour, 60°C

Storage: Sealed stored in dry conditions within the temperature range 15 to 20°C and relative humidity range 55% to 75%.

Shelf Life: 2 years in original sealer can in cool and dry place at 20°C.

Package (per carton): 1L*12can, 4L*6can, 5L*4can



SUPER FAST CLEAR COAT

Features:

It is very fast clear coat, especially used for quickly repair under low temperature, not suitable for above 1 m² repair. No need add thinner inside.

MS Super Fast Clear Coat

Item No: ES5000 (20°C-40°C)/ ES6000 (0°C-20°C)

Mixing ratio: 1: 0.5

100 parts Clear Coat ES5000/ES6000

50 parts Hardener EC222

HS Super Fast Clear Coat

Item No:ES7000 (20°C-40°C)/ ES8000 (0°C-20°C)

Mixing ratio: 1: 0.5

100 parts Clear Coat ES7000/ES8000

50 parts Hardener EC333

Pot Life: 1 hour at 20°C

Spray coats: 2-3 coats (Flash off time 2-4 min between coats,20°C)

Dry Time: Skin dry time: 8 min, 20°C

Polish time: 1 hours, 20°C

Storage: Sealed stored in dry conditions within the temperature range 15 to 20°C and relative humidity range 55% to 75%.

Shelf Life: 2 years in original sealer can in cool and dry place at 20°C.

Package (per carton): 1L*12can, 4L*6can, 5L*4can



HARDENER

Features:

- 1.A series of high concentration,yellow resistant hardener.
- 2.Specially designed for 2K Top Coat, 2K clear coats and 2K primer.
- 3.Each hardener include three types of versions (Standard Hardener,-Fast Hardener,Slow Hardener) for different products and application requirement.

Mixing ratio: Please refer to clear coat, 2K Top Coat, and 2K primer.

Shelf Life: 1 years in original sealer can in cool and dry place at 20°C.

Package (per carton): 0.5L*24can, 1L*12can, 2L*12can, 2.5L*8can, 4L*6can, 5L*4can

EC21/22/23	EC21 Fast Hardener	Mix with clear coat
	EC22 Standard Hardener	ES810,2K Top Coat
	EC23 Slow Hardener	
EC25/26/27	EC25 Fast MS Hardener	Mix with MS clear coat
	EC26 Standard MSHardener	ES820/ES830,2K Top Coat
	EC27 Slow MS Hardener	
EC31/32/33	EC31 Fast HS Hardener	Mix with HS clear coat
	EC32 Standard HS Hardener	ES950/ES980,2K Top Coat
	EC33 Slow HS Hardener	
EC908/907/906	EC908 Fast HS Hardener	Mix with HS clear coat
	EC907 Standard HS Hardener	ES999,2K Top Coat
	EC906 Slow HS Hardener	
EC222	Super Fast Dry MS Hardener	Mix with Super fast clear coat ES5000/ES6000
EC333	Super Fast Dry HS Hardener	Mix with Super fast clear coat ES7000/ES8000
710	2K Primer Hardener	Mix with 702 2K Primer
711	2K Fast Dry Primer Hardener	Mix with 703 2K Fast Primer
713	Epoxy Primer Hardener	Mix with 705 Epoxy Primer

THINNER

Features:

The thinner is divided into fast dry, standard dry and slow dry types. It is used in the 2K top coat, 1K base coat ,clear coat, 2K primer, etc. It has good dissolution and promote bonding effect.

Mix ratio: Please refer to 2K top coat, 1K base coat ,clear coat, primer.

Shelf Life: 2 years in original sealer can in cool and dry place at 20°C.

Package (per carton): 1L*12can, 4L*6can, 5L*4can

Temperature	5°C-15°C	15°C-25°C	25°C-35°C	35°C-40°C
Thinner	Fast Dry	Standard Dry	Slow Dry	Extra-Slow Dry
Item No.	EX10/ D3	EX20/ D2	EX30/D1	EX50



OTHER ADDITIVES

	Characteristics	Usage	Spraying
706/707 NC Putty	To fill minor scratches, pinholes, and small sandpaper grains, etc.	Can use directly, no need to dilute. Very easy sanding. If small area, can spray the top coat after the sanding of NC Putty. If large area, after sanding the NC putty, the primer must be sprayed before applying the top coat.	
555 Matt Agent	It can reduce the paint film surface's brightness, very good matting effect, and makes the paint film soft and smooth. It can be used in 1K or 2K paint system.	Mix Ratio: 2K Solid color: Matt agent Semi Gloss: 1:0.2-0.3 Semi Matt: 1:0.5-0.6 100% Matt: 1:1-2	
155 Flip Controller (Silver Controller)	To change 1K Pearl, silver paint particles' arrangement and direction, so that the paint film will be darker in the front, and more glitter in the side face. To add more quantity, the silver side face will be whiter and more glitter.	Mix Ratio: 1: 0-0.2 100 parts 1K silver or pearl base coat 0-20 parts Flip Controller	
150 1K Binder	To accelerate the 1K metallic paint film drying speed. To enhance the orientation of metallic colors. To improve the application and adhesion between paint layers.	Mix Ratio: 1: 0-0.2 100 parts 1K base coat 0-20 parts 1K Binder (Excessive addition will reduce the covering power of paint.)	
160 2K Binder	Can improve the gloss of the 2K solid color paint, and speed up the air dry time.	Mix Ratio: 1: 0-0.3 100 parts 1K base coat 0-30 parts 1K Binder	
170 Anti Silicone	Remove fish-eyes on the paint film when using with 2K Solid color or clear coat.	Mix Ratio: 1L: 2-4gram 1000 parts Ready mixed 2K solid color or clear coat 2-4 parts Anti Silicone	Add Antisilicone into the ready mixed paint which can be used directly. After stir evenly, to spray a layer on the fish eyes of paint film.

120 Retarder	Used for extra-slowly thinner, and extend volatile time, enhance flow and avoid blushing of film under high temperature and humidity.	At 30°C~40°C, can add 10%-30% Retarder into the slow dry thinner and use. Above 40°C, the Retarder can completely replace the thinner and use.	Used in the 1K metallic paint, 1K solid color paint, 2K solid color paint, 2K clear coat.
123 Degrease	Can remove grease, wax, oil and other impurities on the to-be-painted surface, to avoid unnecessary paint film defects.	Mix Ratio: ready to use	To degrease before sanding. After sanding, degrease again, just to get a complete clean to-be-painted surface.
103 Drying Additive	A kind of additive to speed up the drying time. Special for 2K paint, Clear Coat used. To accelerate the drying time and improve efficiency.	Mix Ratio: 2K solid color/Clear Coat: Drying Additive 10°C-20°C, 1L: 4-6gram 0°C-10°C, 1L: 6-10gram <0°C, 1L: 10-15gram	After adding the Drying Additive, the applicable time will be much shorter, so it has to be used out as soon as possible.
124 Fade-out Thinner	Dissolve the rough boundary between new and existing paint. To help the old and new paint film to be one, and get a perfect repairing effect. Very easy application.	Mix Ratio: Ready for use	After repairing, spray the Fade-out Thinner immediately on the interfaces area. After 15 seconds, spray once again. The spray gun pressure is suggested 2Bar.

POLYESTER PUTTY (BODY FILLER)

BPO Polyester Putty

Description:

Mainly fill and repair on the substrate such as dents, door dings, crack, needle shrinkage and weld to meet flat and smooth before spray finishing coat. Widely used in automotive repair, train manufacturing, boat building, car manufacturing, engineering machinery, machine tools and equipment manufacturing, furniture, mold, concrete building and many other repair fields.

Application:

Iron panel, steel plate, aluminum plate, aluminum alloy plate, galvanized sheet, FRP and on any painted metallic surfaces.

Characteristics: *BPO system with red hardener
*Easy to spread and sanding
*Excellent adhesion
*Fast drying, low smell
*Water resistance

Mix Ratio: Putty: Hardener=100: (1.5-3)

Dry Time

(25°C-30°C): Surface dry time: 3 min
Dry Sanding time: 20 min

Package: 1kg, 2kg and 4kg

Usage:

- 1.Remove the oil, rust, original paint film and water etc from surface completely, keep the painted surface clean & dry before scraping.
- 2.The putty and hardener should be mixed completely to achieve the uniformity of color (general ratio is 100:2 by weight), and apply the mixture within pot life(1-3min), or it will gel.
- 3.Apply the mixed putty to the processed surface of primer or cold-reduced sheet, in case of scraping of thick coat, it is preferable to apply in thin coats for several times till reaching the objective thickness.
4. The shelf life can be up to ten months at the cool place (under 25°C).

CHPO Polyester Putty

Description:

Mainly fill and repair on the substrate such as dents, door dings, crack, needle shrinkage and weld to meet flat and smooth before spray finishing coat. Widely used in automotive repair, train manufacturing, boat building, car manufacturing, engineering machinery, machine tools and equipment manufacturing, furniture, mold, concrete building and many other repair fields.

Application:

Iron panel, steel plate, aluminium plate and on any painted metallic surface, etc.

Characteristics: *CHPO system with yellow hardener
*Good adhesion and easy sanding
*Water resistance
*Heavy weight

Mix Ratio: Putty: Hardener=100: (1.5-3)

Dry Time

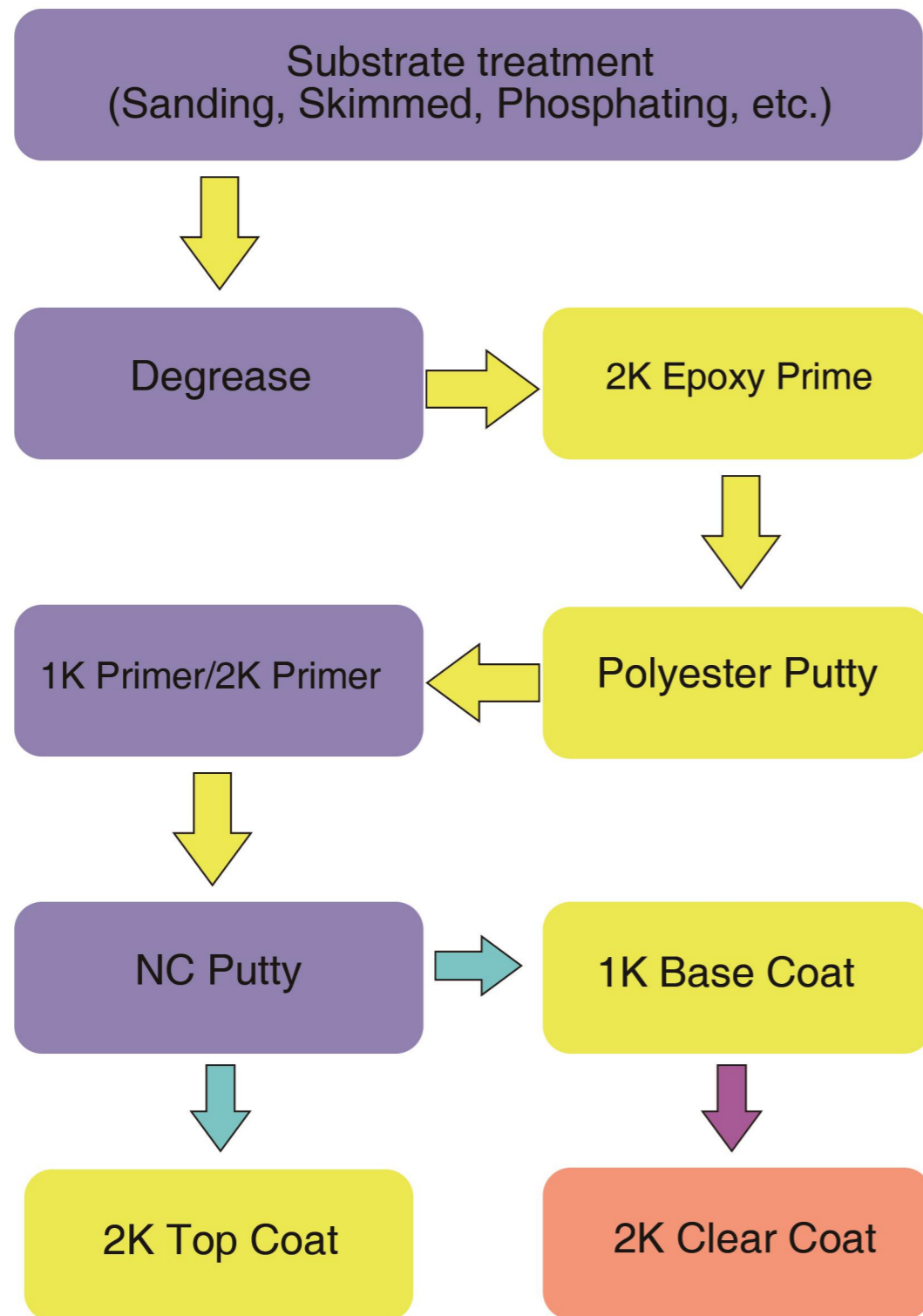
(25°C-30°C): Surface dry time: 5 min
Dry sanding time: 1 hour

Package: 1kg, 2kg and 4kg

Usage:

- 1.Remove the oil, rust, original paint film and water etc from surface completely, keep the painted surface clean&dry before scraping.
- 2.The putty and hardener should be mixed completely to achieve the uniformity of color (general ratio is 100:2 by weight), and apply the mixture within pot life(3-8min), or it will gel.
- 3.Apply the mixed putty to the processed surface of primer or cold-reduced sheet, in case of scraping of thick coat, it is preferable to apply in thin coats for several times till reaching the objective thickness.(Suggested maximum thickness is no more than 5mm).
- 4.The shelf life can be up to ten months at the cool place (under 25°C).

Automotive Refinish Procedures Flow Chart



Auto Refinish Products list

2K Solid Color(Top Coat)		1K Solid Color(Base Coat)		2K Solid Color(Top Coat)	
201	Extra White	301	Slow Blue (Transparent White)	241	Standard Blue
202	High Solid Super White	302	Extra White	242	Reddish Blue
203	Pure White	303	Super White	243	Greenish Blue
211	Pure Black	311	Jet Black	251	Bluish Green
212	Extra Black	312	Pure Black	252	Golden Green
221	Red	313	Extra Black	262	Purple
222	Scarlet Red	314	Bluish Black		
223	Bright Red	321	Scarlet Red		
224	Rose Red	322	Dark Purple Red		
225	Dark Prunosus	323	Bright Red		
226	Iron Red	324	Maroon Red		
227	Orange Red	325	Rose Red	1K Metallic Silver Colors	
231	Lemon Yellow	326	Transparent Red	501	Superfine
232	Bright Yellow	327	Transparent Iron Red	502	Fine Silver
233	Moderate Yellow	331	Lemon Yellow	503	Fine White Silver
234	Earthy Yellow	333	Transparent Yellow	504	Fine Glittering Silver

334	Bright Yellow	505	Moderate Bright Silver	701	1K Primer
335	Transparent Iron Yellow	506	Moderate Silver	702	2K Primer
341	Standard Blue	507	Moderate White Silver	703	2K Primer (Fast Dry)
342	Greenish Blue	508	Moderate Thick Silver	705	2K Epoxy Primer
343	Ultramarine Blue	509	Thick Silver	706	NC Putty (Red)
344	Bright Blue	510	Extra Thick Silver	707	NC Putty (Green)
345	Blue Lake	1K Pearl Colors		710	2K Primer Hardener (Slow dry)
346	Purple Blue	601	Super Fine White Pearl	711	2K Primer Hardener (Fast dry)
347	Cranine Blue	602	Super White Pearl	713	2K Epoxy Primer Hardener
351	Bluish Green	603	Red Pearl	123	Degreaser
352	Golden Green	604	Fine Red Pearl	108	1K Plastic Primer
353	Olivedark Green	605	Interference Red Pearl	102	1K Plastic Primer (High Quality)
362	Purple	606	Antique Copper Pearl	124	Fade-out Thinner
371	Tranparent Brown	607	Fine Copper Pearl	103	Drying Additive
Clear coats & Hardener & other Additives		608	Blue Pearl	120	Retarder
160	2 K Binder	609	Fine Blue Pearl	170	Anti Silicone
150	1 K Binder	610	Golden Pearl	190	Thinner for Cleaning
155	Flip Controller (Silver Controller)	611	Yellow Pearl	ES 810	Standard Clear coat
555	Matt Agent	612	Golden Yellow Pearl	EC21/22/23	Fast/Standard/Slow Hardener of ES810

613	Purple Pearl
614	Green Pearl
615	Purplish Red Pearl
616	Fine white Pearl
617	White Pearl
621	Crystal White Pearl
622	Crystal Blue Pearl
623	Crystal Green Pearl
624	Crystal Red Pearl
625	Crystal Golden Pearl
626	Crystal Brown Pearl

ES 820	MS Clear coat
ES 830	MS Clear coat
EC25/26/27	Fast/Standard/Slow Hardener
ES 950	HS Clear coat
ES 980	HS Clear coat
EC31/32/33	Fast/Standard/Slow Hardener
ES999	HS Clear Coat
EC908/907/906	Fast/Standard/Slow Hardener
ES5000 (22°C-40°C)	MS Super-Fast Clear coat
ES6000 (0°C-22°C)	MS Super-Fast Clear coat
EC222	Hardener of ES5000/6000
ES7000 (22°C-40°C)	HS Super-Fast Clear coat
ES8000 (0°C-22°C)	HS Super-Fast Clear coat
EC333	Hardener of ES7000/8000
EX10/20/30	Fast/Standard/Slow Thinner
EX50	High Quality Extra Slow Thinner
D3/D2/D1	Fast /Standard/ Slow Thinner