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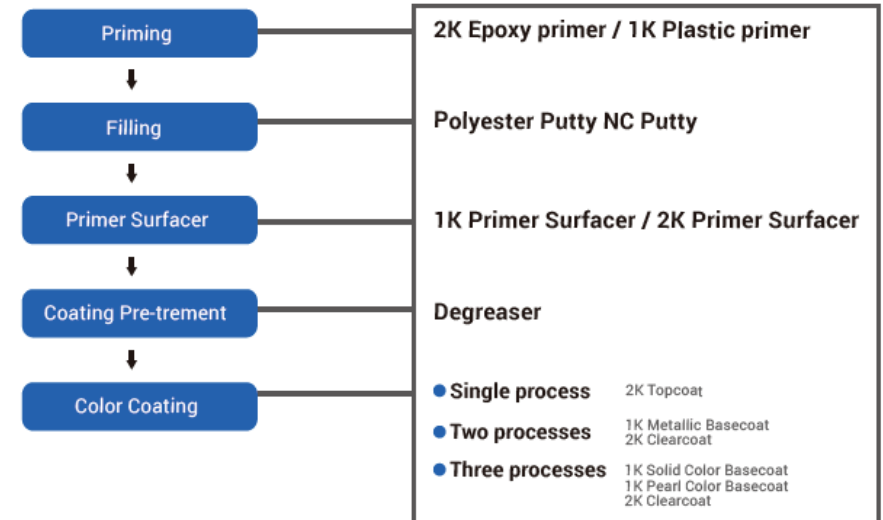
PROFESSIONAL CAR PAINT

GIVE NEW SOUL
TO YOUR CAR

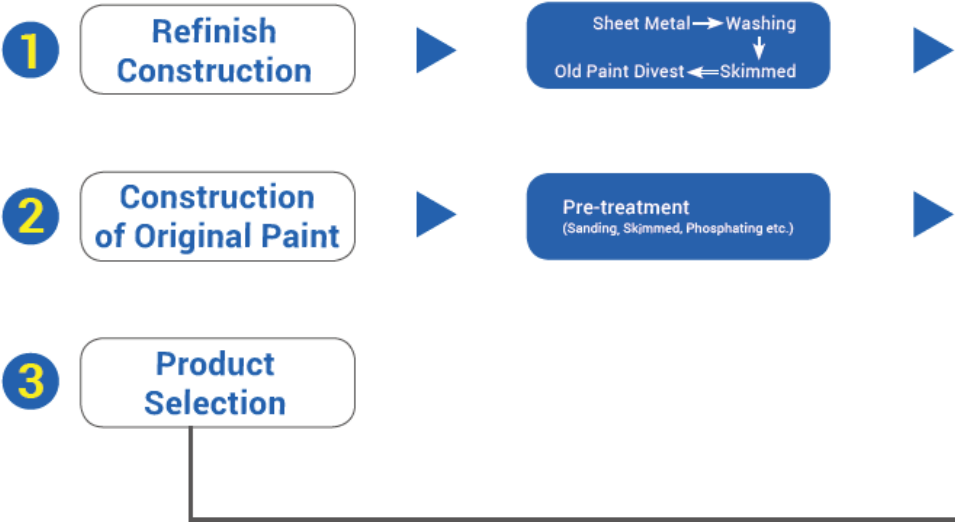
Designed specifically to
withstand the harsh outdoor environment

CMC
CHEUNG MING CHEMICAL CO., LTD.

- 01** COMPANY PROFILE
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- 03** RANGE OF APPLICATION
- 04** CAR PAINT STRUCTURE
- 05** REFINISHING PROCESS



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05 | REFINISHING PROCESS

Auto Body Coating Structure Decomposition



CMC (THAILAND) AT A GLANCE

In the direction of offering limitless solutions to papermaking industrial, CMC (Thailand) was established on 2018 to focus on developing extensive range of colorants to expand our service areas that can fulfill the industrial's requirements. We are building on the steps toward to the most comprehensive paper chemical company.

CMC (Thailand) started in order to promote sales nad to research the requirements of customers apart from China, so that we can more vigorously answer back to the market.

We offer various types of dyes and pigments together with CMC's high performance car paint.

We are totally committed to providing our valued business partners with quality products and solutions that match their need in every aspect.

CMC GROUP HISTORY

Guangdong Chengming Chemical S&T Co., Ltd. was founded and invested by Cheng Ming (H.K.) Limited (Old Name: Hongkong International Paper Chemicals S&T Co.Ltd.,) and it sets up 3 production Bases and 1 oversea branch;

2003 Dongguan Longteng Industrial
2013 Nantong Tenglong Chemical S&T
2017 Guangdong Tenglong Chem S&T
2018 Cheng Ming Chemical (Thailand)

The company is a modern high-tech papermaking chemical enterprise specializing in the production of AKD neutral, alkaline sizing agent, surface sizing agent and dry strength agent for papermaking as well as providing technical services (providing total solution service), with the production of bactericide, retention aid agents, coating aid agents and sewage treatment agent as secondary businesses.

Chengming Chemical constructed factories with a high starting point, high-profile design ideas and equipment. The company has passed the ISO9001 quality management system certification and is coupled with professional quality management team to guarantee good quality and stability of the products and ensure to provide customers with first class products.

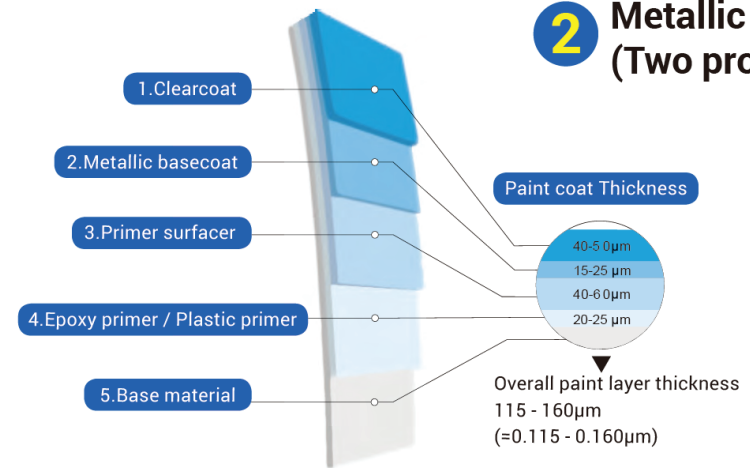
Chengming Chemical has more than 500 employees and has set up a well-equipped and strong R&D center to develop specific products according to different needs of customers.

With over 15 years of effort, the company has been recognized by the market and we will keep pace with the times, struggle to technological innovation and continue to enhance our core competitiveness. We will adhere to the principle of customer-orientend, and create greater value for our customers with excellent quality and first-class service!

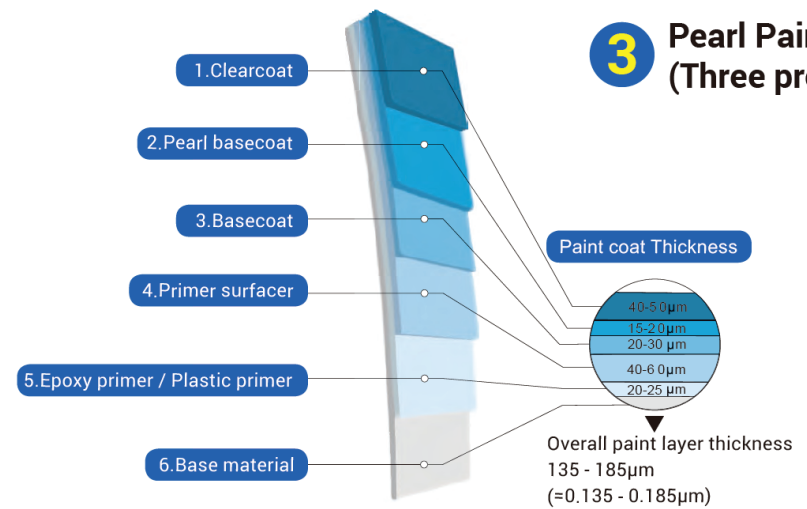
01 | COMPANY PROFILE



2 Metallic Paint (Two processes)



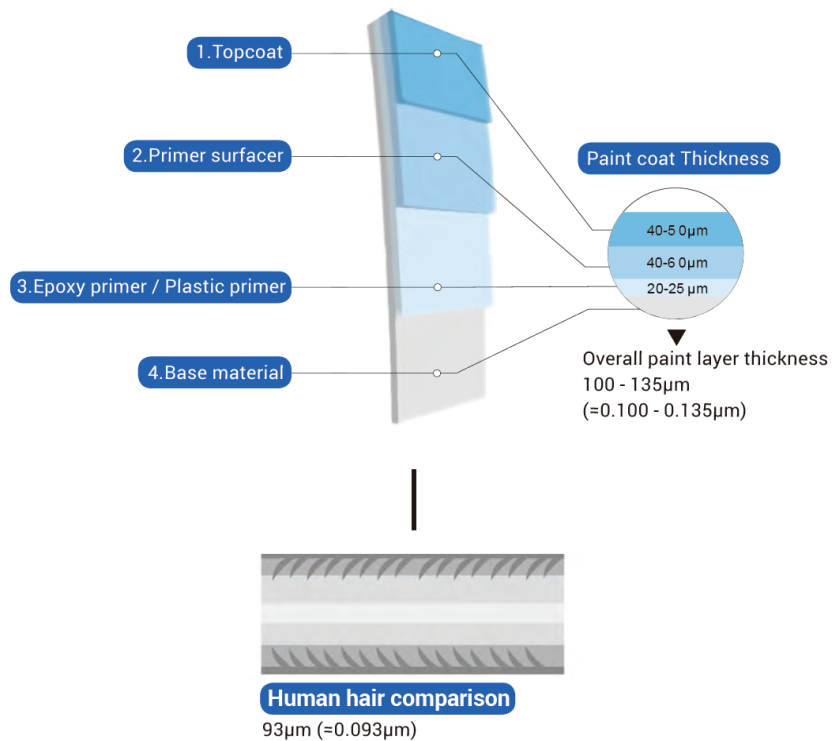
3 Pearl Paint (Three processes)



04 | CAR PAINT STRUCTURE

Auto Body Coating Structure Decomposition

1 Solid Colors Paint (Single-Process)



02 | PRODUCT CLASSIFICATION

CLEARCOAT SERIES



- Substrate: Surface coated with 1K Basecoat
- Pot Life: 3 hours at 20°C



Mixing ratio: 2 : 1 : 0.3 - 0.5



Drying time: 10 hours, 20°C



Spray coats: 2 - 3 coats
(volatile time interval 5-10 min,



Drying with infrared: 30 min,

2K Clearcoat

High solid content and excellent anti-scratch property.
Good hardness and polishability.
High mechanical and chemical resistance.
Excellent resistance to weathering and yellowing.



COOPERATIVE PARTNERS

CAR



BUS



SHIP



TRUCK



03 | RANGE OF APPLICATION

Our paint help make cars, ships, trucks, buses more reliable, more colorful, and more comfortable.



02 | PRODUCT CLASSIFICATION

**2K TOP COAT & 1K BASE COAT
COLOR SERIES**



- Substrate: Sanded and dried existing finishes, 1K or 2K primer
- Pot Life: 2-4 hours at 20°C



2K

Mixing ratio: 2 : 1 : 0.2 - 0.4

1K

Mixing ratio: 1 : 0.9 - 1



2K

Drying time: 6 - 8 hours, 20°C

1K

Drying time: 15 min, 20°C



2K

Spray coats: 2 - 3 coats (volatile time inter val 5 -10 min, 20°C)

1K

Spray coats: 2 - 3 coats (volatile time inter val 2 -5 min, 20°C)



2K

Drying time: 6 - 8 hours, 20°C

1K

Drying time: 15 min, 20°C

2K Topcoat
1K Basecoat

Excellent protective and covering power with long lasting bright color.
Extra fast drying and high quality finish.
Designed specifically to withstand the harsh outdoor environment.
Varied color cover full range with high color saturation.



02 | PRODUCT CLASSIFICATION

AUXILIARY PRODUCTS

HT200 Degreaser / HT400 Quick Dry Additive
 HT600 Anti-Silicone / HT700 Anti-Blushing Thinner
 HT500 Fixer Controller / HT501 Flip Controller
 HT300 Flexible Additive/ HT900 Fade Out Thinner
 HT800 Matting Agent



Mixing ratio:
 According to different products

HT200	HT400
Mixing ratio: ready to use	Mixing ratio: 1 : 0.005 -0.01
HT600t	HT700
Mixing ratio: 1 : 0.005 -0.015	Mixing ratio: 1 : 0.1 -0.3
HT500	HT501
Mixing ratio: 1 : 0 -0.25	Mixing ratio: 1 : 0 -0.25

Matting Agent Substrate: Surface coated with 1K basecoat or 2K topcoat

Mixing ratio: Full matted effect with 1K metallic basecoat: 0.1-0.2		
100	parts	1K metallic color
10-20	parts	1K metallic color

Full matted / Half matted / Half bright effect with 2K Topcoat: 1 : 1-2 / 1 : 0.5-0.6 / 1 : 0.2-0.3		
100	parts	2K Topcoat
100-200 / 50-60 / 20-30	parts	Matting agent



02 | PRODUCT CLASSIFICATION

PRIMERS

- Substrate: Dried and sanded existing finishes, all kinds of primer and putty
- Pot Life: 1.5 hours at 20°C



1K

Mixing ratio: 1 : 1-1.2

2K

Mixing ratio: 4 : 1 : 1.2-2



1K

Drying time: 30 min, 20°C

2K

Drying time: 6 - 8 hours, 20°C



1K

Spray coats: 2 - 3 coats (volatile time interval 5 - 8 min, 20°C)

2K

Spray coats: 2 - 3 coats (volatile time interval 2 - 5 min, 20°C)



1K

Drying with infrared: 3 - 5 min, 60°C

2K

Drying with infrared: 30 - 40 min,

1K/2K
P100/P200
Primer Surface

Quick drying and good leveling properties ensure.
Good vertical stability and adhesion.
Developed to form a strong pre-paint surface for all types of automotive refinishing systems.
Provide fine adhesion between coats and good sanding properties.



02 | PRODUCT CLASSIFICATION

HARDENER & THINNER

Hardener / Thinner

Special Hardener:
 H180 Hardener: Used for 2K Diamond Clearcoat
 H400 Hardener: Used for 2K Epoxy Primer
 H200 Hardener: Used for 2K Primer Surfacer



Mixing ratio:
 According to different products

Hardener Type

Application	Temperature	5°C-15°C	15°C-25°C	25°C-35°C
Solid Content	Ultra High Solid	H280	H281	H282
	High Solid	H380	H381	H382
	Medium Solid	H480	H481	H482
	Standard Solid		H580	

Thinner Type

Drying Time	Quick Dry	Standard Dry	Slow Dry	Extra-Slow Dry
Application Temperature	5°C-15°C	15°C-25°C	25°C-30°C	30°C-40°C
Thinner No.	TX-1	TX-2	TX-3	TX-4



02 | PRODUCT CLASSIFICATION

PRIMERS

- 1K : Sanded and cleaned surface of plastic substrate (PP, ABS, PA, except pure PP and PE)
- 2K : Sanded and cleaned surface of substrate (zinc, aluminum, stainless steel, old paint membrane, fi
- Pot Life: 2-4 hours at 20°C



1K
Mixing ratio: No need to add other additives
2K



1K
Drying time: 15 - 20 min, 20°C
2K
Drying time: 24 hours, 20°C



1K
Spray coats: 2 coats wet spray 5-8µm thickness
2K
Spray coats: 2 - 3 coats (volatile time interval 2 - 5 min, 20°C)



1K
Drying with infrared: 3 - 5 min, 60°C
2K
Drying with infrared: 40 - 60 min,

P300 1K
Transparent Plastic Primer

P400 2K
Epoxy Primer

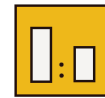
Improved adhesion on plastic substrates and coats, suitable for various plastic components on car body. Strong adhesion and anti-corrosion on bare metal including galvanized steel plate, fast dry and ready for direct putty application.



02 | PRODUCT CLASSIFICATION

PUTTY

- Polyester Putty Substrate:
Dried and primer treated surface of metal or plastic
- NC Putty Substrate:
Dried and sanded existing finishes,
- Polyester Putty Pot Life:
3-12 min / NC Putty Pot Life: 1.5 hours at 20°C



F200
Mixing ratio: 1 : 0.02 - 0.03
F100
No need to add other additives



F200
Drying time: 15 - 30 min, 20°C
F100
Drying time: 20 - 25 min, 20°C



F200
Spray coats: Depend on refinishing condition
F100
Spray coats: Scraping a thin coat



F200
Drying with infrared: 5 - 10 min,
60°C
F100

F100 NC Putty	Extra quick dry and easy sanding. Note: Avoid thick coating which may cause shrink or loss of light and etc.
F200 Polyester Putty	Particularly suitable for galvanized substrates on passenger cars. Excellent curing hardness and fine smooth surface without shrinkage.