



SKY CHEMICAL KOREA

MAGIC METAL POLISH
SKY CHROME MOLDING CLEANER **V2**





Sky Chemical Korea has been operating a specialized car detailing store since 2006. During this time, we noticed that there was no suitable cleaner for removing and restoring white spots that appeared on the window trims and roof racks of imported cars (aluminum alloy chrome moldings). This led to the need for developing a cleaner, and in 2011, we began research and development. We successfully developed an aluminum alloy (chrome molding) restorer called [Magic Metal Polish, V2]. Through continuous research and development, we have achieved safety certification as a household chemical product, and received approval from the Ministry of Environment (CHEMP), ensuring our product is safe to use.



Product Composition

Sky Chemical Product Composition

**MAGIC
METAL POLISH**



100ml of Magic Metal
Polish reagent

sponge block

scrub pad



**SKY CHROME
MOLDING CLEANER
V2**



30ml of Sky Chemical
V2 reagent

sponge block

scrub pad



※ **Precautions**

- Do not apply to high gloss areas.
- Wear safety equipment during use.
- Conduct a test application before proceeding.
- The difficulty of the application may vary depending on the degree of contamination.
- Shake the solution well before use.
- Store the solution in a cool place away from direct sunlight or preferably in the refrigerator.
- Even though it is a safe product, follow all safety instructions.



Aluminum Alloy (Chrome Molding) Restorer



1

Removal of White Spots

Effectively removes white spots that appear on the window trims and roof racks of imported cars (aluminum alloy chrome moldings).

Domestic Patent Technology

The only product in Korea with a patent for the method of restoring vehicle chrome moldings.

2

3

Household Chemical Product Approval

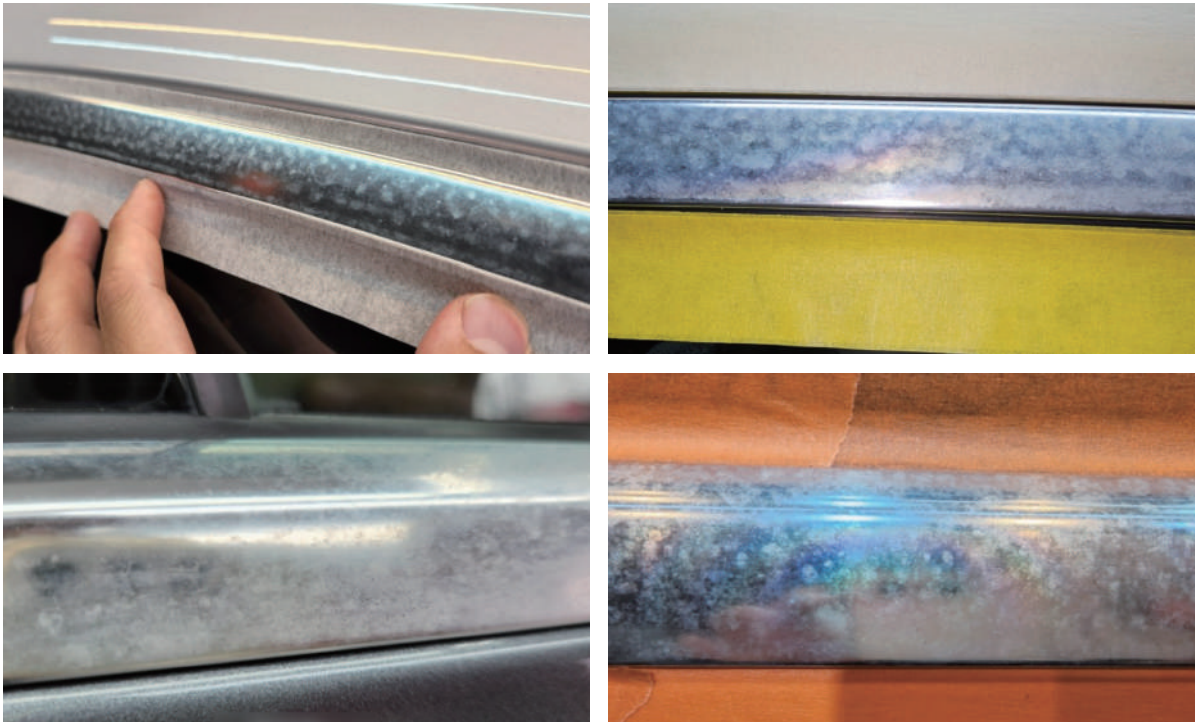
Approved as a safe household chemical product with certification from the Ministry of Environment (CHEMP).

Affordable Price

Compared to the high cost of replacing window trim chrome moldings (1.5 to 2 million KRW), our product offers an affordable solution (50,000 to 150,000 KRW) for stain removal and restoration.

4

White Spots



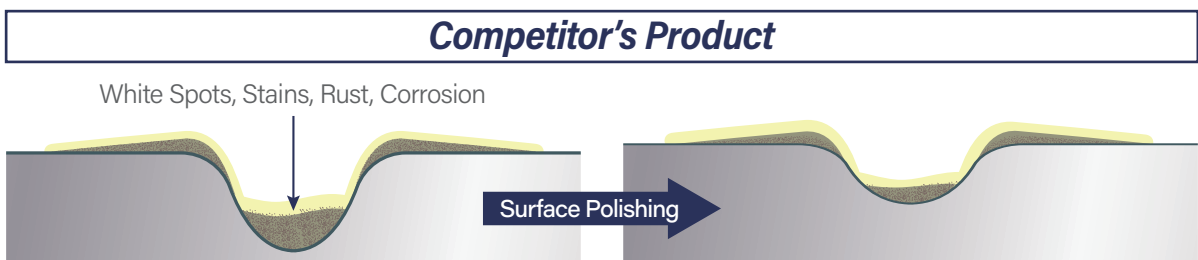
White Spots

White spots refer to the appearance of white rust, stains, watermarks, and contamination on aluminum due to corrosion.

Differences in Stain and Contamination Removal Methods

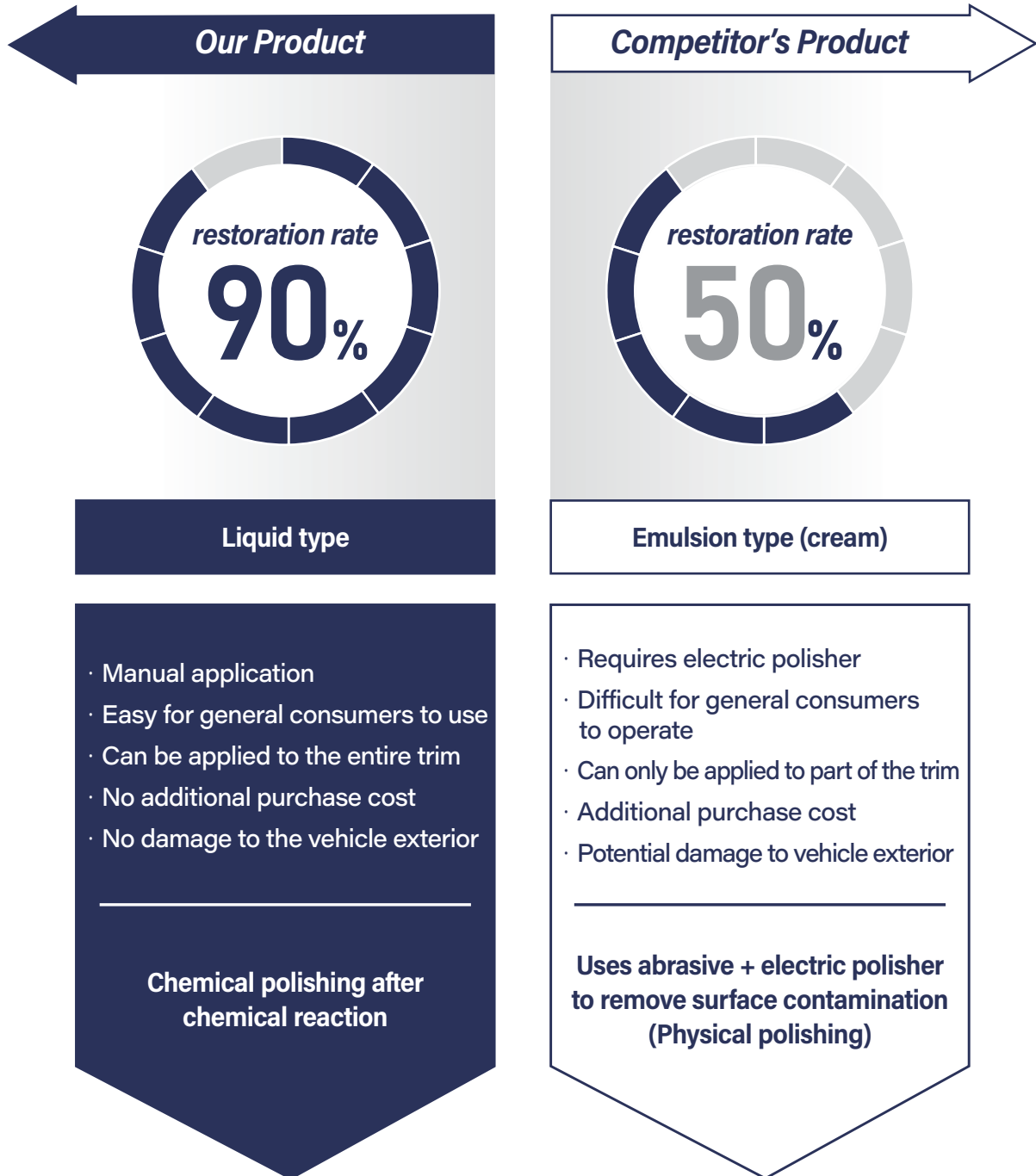


Uses a liquid cleaner that reacts chemically to remove white spots, stains, rust, and corrosion.



Uses an emulsion cream that polishes the surface to remove white spots, stains, rust, and corrosion.

Technical Differentiation and Originality



As of the end of December 2023, there are approximately 26 million registered cars in Korea, with more than 3.38 million imported cars, an increase of over 13% compared to the previous year. It is estimated that about 50% of these cars, or over 1.69 million vehicles, are affected by white spots.



Usage Instructions



01

Masking Stage

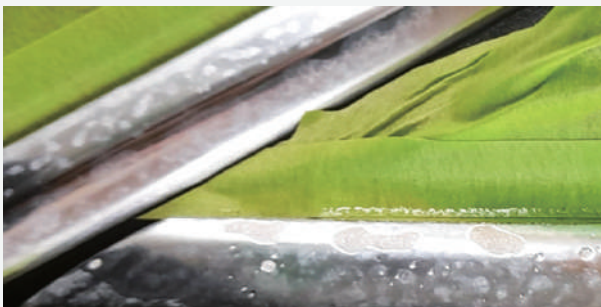
Equip safety gear and mask the work area with masking tape (1st layer: 45mm, 2nd layer: 24mm, 3rd layer: 15mm), then remove contaminants (degreasing).



02

Initial Application Stage

Apply 1-2 drops of the solution to the sponge block and apply the first layer to the stained area.



03

Soaking Stage

Allow the solution to soak into the stained area.



04

Secondary Application/Polishing Stage

Apply the second layer with the scrub pad and sponge block and sand/polish the stained area.



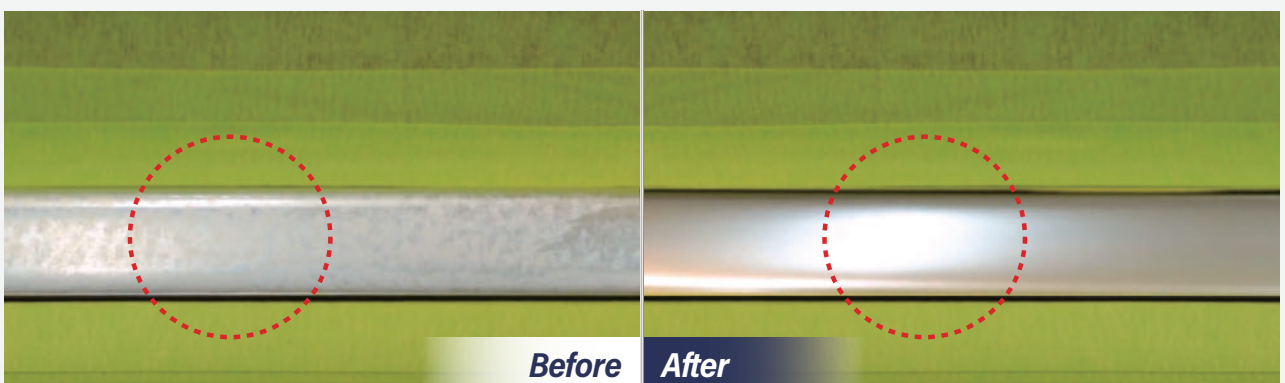
05

Restoration Check

After sanding/polishing, use disinfectant alcohol to check the restoration status. (Coating can achieve better results.)



















Examples of application using Sky Chemical products





Can be used on aluminum alloy areas.

*Not applicable: Chrome-plated areas other than the specified parts
(e.g., front/rear grills, side chrome plating).*

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Applicable Vehicles:

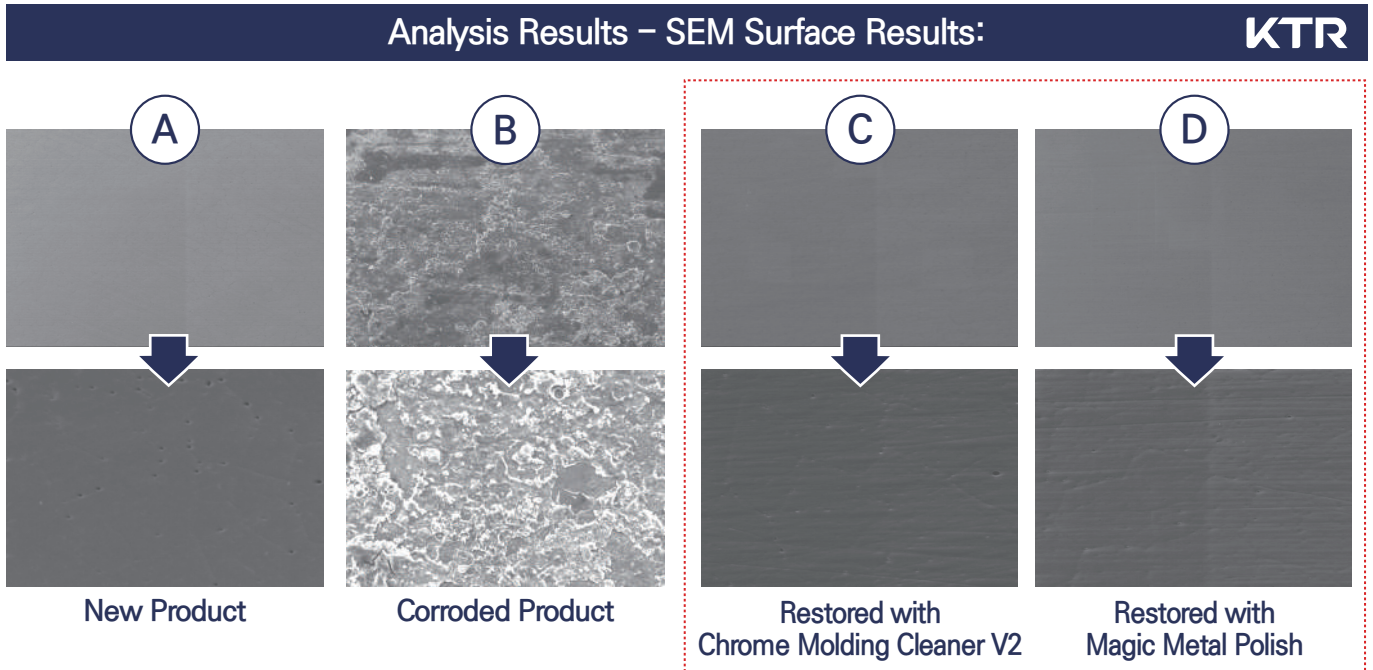
European imported cars, some GM models (Impala, Malibu, Cruze, Orlando, etc.), some Tesla models, etc.



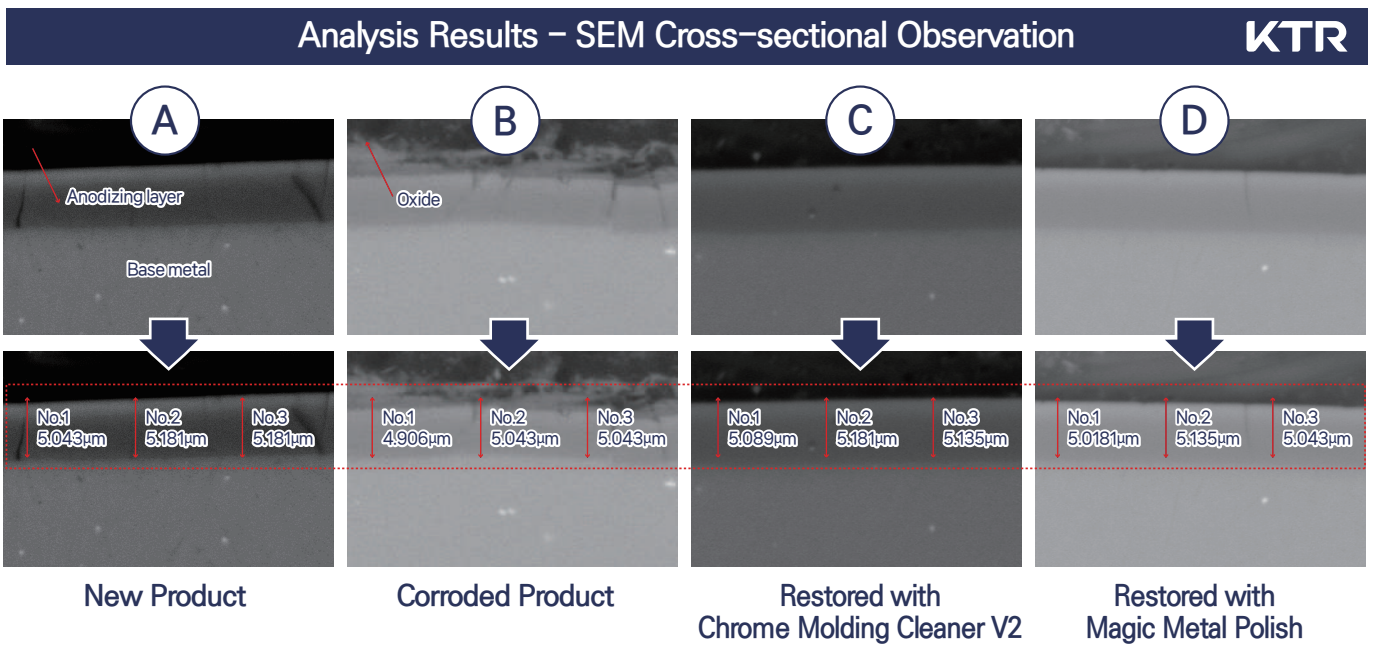
For product inquiries, please contact our customer service.

Surface and Cross-Sectional Analysis Results

Scanning Electron Microscope / 3D Surface Profiling Instrument



– B Sample: Oxides were observed covering the surface.
 – A, C, and D Samples: Oxides were removed, resulting in a smooth surface.



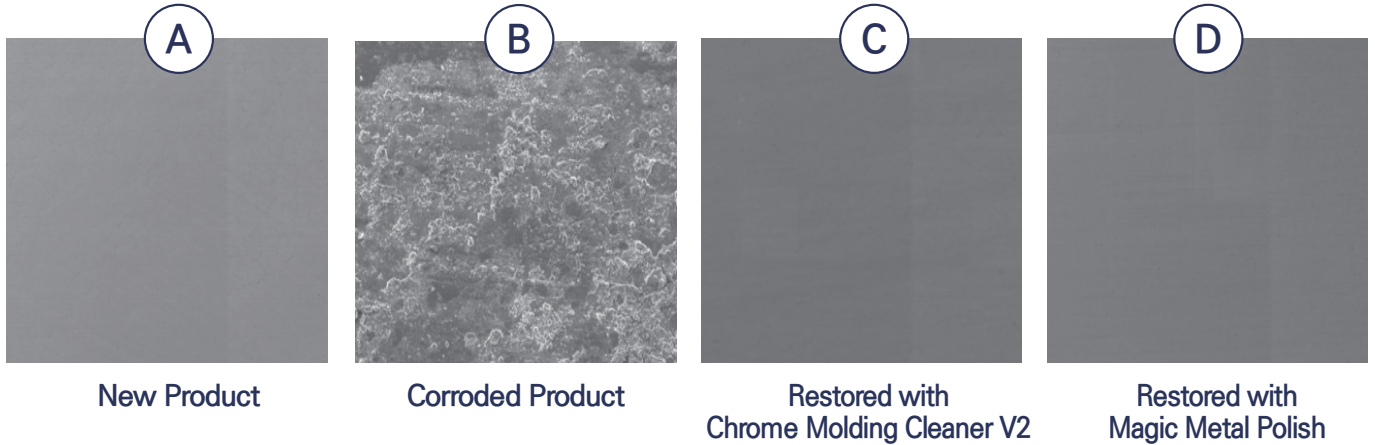
– The anodizing layer thickness for each sample was approximately 5 µm.
 – B Sample: Oxides were observed forming on the anodizing layer.
 – C and D Samples: The oxide layer was removed.

Surface and Cross-Sectional Analysis Results

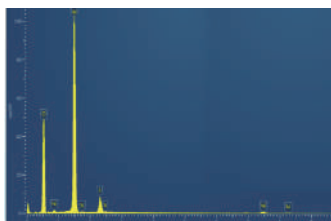
Scanning Electron Microscope / 3D Surface Profiling Instrument

Analysis Results – EDS Surface Component Analysis:

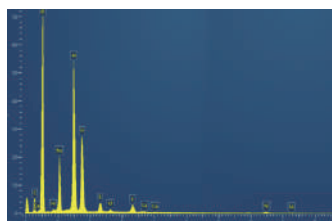
KTR



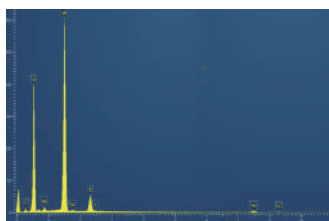
| Elements | Unit | Sample A | Sample B | Sample C | Sample D |
|----------|------|----------|----------|----------|----------|
| C | | 6.88 | 12.77 | 6.35 | 6.57 |
| O | | 53.54 | 50.87 | 53.35 | 53.68 |
| Na | | – | 8.03 | – | – |
| Al | wt% | 34.26 | 15.86 | 34.90 | 34.38 |
| Si | | 0.19 | 9.03 | 0.28 | 0.29 |
| S | | 3.53 | 1.09 | 3.56 | 3.59 |
| Cl | | – | 0.31 | – | – |
| K | | – | 1.23 | – | – |
| Ca | | – | 0.15 | – | – |
| Ni | | 1.60 | 0.66 | 1.56 | 1.49 |



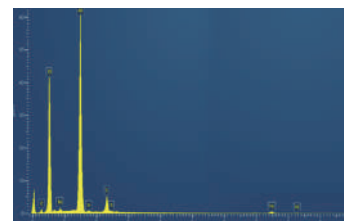
Sample A Spectrum



Sample B Spectrum



Sample C Spectrum

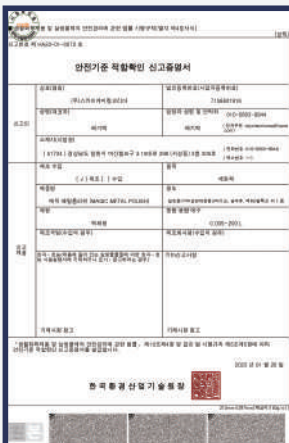
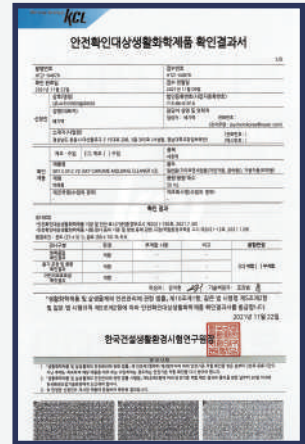
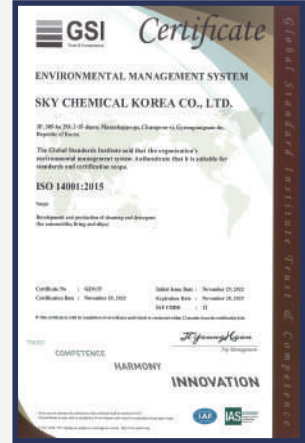
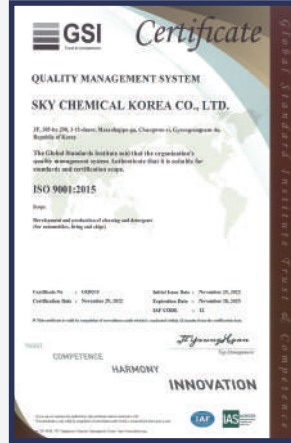


Sample D Spectrum

Sky Chemical Patents & Certifications

Our products are developed and produced in Korea with high reliability, distinguishing them from low-quality products made in other countries.

Patent Number: 10-2156980





Safety Information for Household Chemical Products

SKY CHROME MOLDING CLEANER V2

Product Name: SKY CHROME MOLDING CLEANER V2

Registration Number: CA21-01-2277

Item: Cleaner

Purpose: General surface cleaning (bikes/metal/white spots/stains/vehicle exterior)

Form: Liquid

Volume: 30ml

Shelf Life: 36 months from the date of manufacture

Manufacturer/Customer Service: Sky Chemical Korea Co., Ltd. (T.010-5803-9944)

Country of Manufacture: Republic of Korea

MAGIC METAL POLISH

Product Name: MAGIC METAL POLISH

Registration Number: HA23-01-0072

Item: Cleaner

Purpose: General surface cleaning (bikes/metal/white spots/stains/vehicle exterior)

Form: Liquid

Volume: 100ml

Shelf Life: 36 months from the date of manufacture

Manufacturer/Customer Service: Sky Chemical Korea Co., Ltd. (T.010-5803-9944)

Country of Manufacture: Republic of Korea





Website



Naver Cafe



Naver Detailed
Description

SKY CHEMICAL KOREA

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Instagram



YouTube



Naver
Smart Store