

Automotive OEM Decorative Finishing

Specification Guide



**MacDermid Enthone And OEM's:
Innovation Proven Results**



Decorative Coatings

OEM	Specification	Color / Finish	MacDermid Enthone Product
Bentley	1 KX K6	—	ELPELYT PEARLBRITE AL + K5
BMW	GS 97017	Cerium Grey	ELPELYT PEARLBRITE K5 + Twilite
	GS 97017	Cerium Grey	NiMac M-Satin Light + Fine + Twilite
	GS 97017	Shadow Bright Motor Sport Package	ELPELYT PEARLBRITE K5 + Twilite
	GS 97017	Titanium F16 Extravaganza Package	NiMac M-Satin Light + Fine + Twilite
	PV98015	Perlglanz Chrom	ELPELYT PEARLBRITE K6 AL
	PV98015	Perlglanz Chrom	NiMac M-Satin Star + Light
	PV98015	Pearlgrey Mod	ELPELYT PEARLBRITE K 6 AL
DACIA	47-01-002	205,379 Real Chrome Satin	ELPELYT PEARLBRITE K6 AL + K5
Daimler	DBL 8465	Silver Shadow	ELPELYT PEARLBRITE K6 AL + K5
	DBL 8465	Silver Shadow	NiMac M-Satin Shadow
	DBL 8465	(7J22) Matt III	ELPELYT PEARLBRITE K6 AL
Citroën/Peugeot	B154040	FVB-M001 Smoked Chrome	Starlite
	B154040	HDX M001 Gris Trionyx	TRILYTE Flash CL
	B154040	HDX M001 Gris Trionyx	MaCrome CL3
	B154040	HDX - M018	NiMacM-Satin Fine + MaCrome CL3
	B154040	HDX - M018	ELPELYT PEARLBRITE K6 AL+ TRILYTE Flash CL
	B154040	HVV M018	ELPELYT PEARLBRITE K6 AL
	B154040	HXX M001Graphite	TRILYTE Dusk
FCA	PS 50014	CM 611 Brunito Satinato	NiMac M-Satin Star + Twilite
	PS 12600	CM 612 Light Black Chrome	Twilite
	PS 50014	CM 613 Light Satin Chrome	NiMac M-Satin Star + Fine
	PS 50014	CM 615	NiMac M-Satin Star + Twilite
	PS 12600	SZS Satin Light Black Chrome	Light Black Chrome Twilite
	PS 50014	CM 609 Satin Chrome	NiMac M-Satin Star + Mach 2
	PS 50014	SZ6 CPF-401 Interior Satin Chrome	ELPELYT PEARLBRITE K6
	PS 50014	SZ6 CPF-401 Interior Satin Chrome	NiMac M-Satin Star
	PS 50014	SZ7 CPF-402 Exterior Platinum Chrome	ELPELYT PEARLBRITE K6
	PS 50014	SZ7 CPF-402 Exterior Platinum Chrome	NiMac M-Satin Star
	PS 50014	SZL Liquid Chrome	NiMac M-Satin Star
	PS 50014	SZL Liquid Chrome	ELPELYT PEARLBRITE K6 AL
	—	SZE Dusk Tri Chrome	TRILYTE Dusk
	PS 50014	SZN Liquid Titanium Chrome	NiMac M-Satin Star + Twilite

* PS12600 trivalent chromium plating finishes with resistance to high chloride corrosion

** PS50014 Copper-nickel-chromium coating of thermoplastic parts



OEM	Specification	Color / Finish	MacDermid Enthone Product
Ford	WSS-MIP 83 E	SM 300H Bright Chrome	NiMac Bright Nickel
	WSS-MIP 83 E	SM 300L Satin Nickel	NiMac M-Satin Star + PVD
	WSS-MIP 83 E	SM 322 Satin Aluminum	NiMac M-Satin Star
	WSS-MIP 83 E	SM 322 Satin Aluminum	ELPELYT PEARLBRITE K6
	WSS-MIP 83 E	SM 322B Satin Aluminum	ELPELYT PEARLBRITE K6
	WSS-MIP 83 E	SM 322L Satin Star	NiMac M-Satin Light + TriMac III
	WSS-MIP 83 E	SM 5022 Matrix Foil	NiMac M-Satin Star
	WSS-MIP 83 E	SM 5029 Optimum Aluminum	ELPELYT PEARLBRITE K6 AL
	WSS-MIP 83 E	SM 5077 European Satin Chrome	NiMac M-Satin Star
	WSS-MIP 83 E	SM 5077 European Satin Chrome	ELPELYT PEARLBRITE K6 AL
	WSS-MIP 83 E	SM 5166 Dark Chrome	Twilite
	WSS-MIP 83 E	SM5182 Satin Pearl	SatinKote Pearl / Mach 2
	WSS-MIP 83 E	SM 911 Smoked Satin	SatinKote Pearl + Twilite
	WSS-MIP 83 E	SM 933A Black Diamond Chrome	Starlite
	WSS-MIP 83 E	SM 953 Iridium Chrome	SatinKote Pearl
Geely	JLC-DG003	Dark Chrome	Starlite
General Motors	GMW14668 - B4	Bright Trivalent Chrome	TRILYTE Flash CL
	GMW14668	Dusk	SatinKote Pearl + Galaxy
	GMW14668	F90R/180 V Galvano Silver	ELPELYT PEARLBRITE K6 AL
	GMW14668	F90R/180 V Galvano Silver	SatinKote Pearl
	GMW14668	F-93K Mattchrom	ELPELYT PEARLBRITE K6 AL
	GMW14668	F63 Matte Chrome Silky Gloss	ELPELYT PEARLBRITE K6 AL + K5
	GMW14668	F63P Matte Chrome Silky Gloss	SatinKote Pearl
	GMW14668	GM M-24/024M Titanium Chrome	Starlite
	GMW14668	GM M-24/024M Titanium Chrome	TRILYTE Dusk
	—	GM M-28/028M Black Pearl	Onyx + Paint
	GMW14668	PB0025/251V Obsidian	Twilite
	GMW14668	PB0029/172V Iridium	SatinKote Pearl + Twilite

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OEM	Specification	Color / Finish	MacDermid Enthone Product	
Honda	0096Z-TZ6	—	TRILYTE Dusk Over Bright Ni	
	0096Z-TZ6	—	TRILYTE EBONY	
	0096Z-TZ6	Bright Trivalent Chrome	TRILYTE Flash CL	
	0096Z-TZ6	Bright Trivalent Chrome	TRILYTE Flash SF	
	0096Z-T5A-Q000	NH-762X Bright Chrome	Mach 2	
	0096Z-TZ6-R000	NH-763X Trivalent Dark Chrome	Twilite	
	0096Z-T5A-Q000	NH-764X Satin Chrome	NiMac M-Satin Shadow (Star)	
	0096Z-T5A-Q000	NH-764X Satin Chrome	NiMac M-Satin Shadow (Star)	
	0096Z-T5A-Q000	NH-764X Matt Satin Chrome	ELPELYT PEARLBRITE K6	
	0096Z-T5A-Q000	NH-772X Platinum	ELPELYT PEARLBRITE K6	
	0096Z-T5A-Q000	NH-772X Platinum	NiMac M-Satin Shadow (Star) or SatinKote Pearl	
	0096Z-TZ6-R000	NH-860X Trivalent Bright Chrome	TriMac CP-200	
	0096Z-TZ6-R000	NH-864X Palladium Chrome	Twilite	
	0096Z-TZ6-R000	NH-871X	TriMac Eclipse	
	0096Z-T5A-Q000	Platinum	NiMac M-Satin Shadow (Star)	
Hyundai	MS612-15	TRI Dark Cr3+	Trilyte Dusk, Galaxy X	
	MS612-15	PCR Light Dark Cr3+	Twilite, Galaxy X Light Version	
	MS612-15	SCR Satin Ni Exterior	ELPELYT PEARLBRITE K6	
	MS612-15	VCS Satin Ni Interior	ELPELYT PEARLBRITE K6	
Kia	MS612-15	CAB Satin Ni Exterior	ELPELYT PEARLBRITE K6	
	MS612-15	SA1 Satin Ni Interior	ELPELYT PEARLBRITE K5 + K6AL,	
Mazda	—	Platinum Satin Chrome	NiMac M-Satin Shadow (Fine)	
Nissan	NES M 4063	H61L Black Trivalent Chrome	Starlite	
	NES M 4063	Bright Trivalent Chrome	TRILYTE Flash CL	
	NES M 4063	Bright Trivalent Chrome	TriMac CP-200	
	<small>*Consult MacDermid Enthone</small>	NES M 4063	Black	Black Onyx
	NES M 4063	Dark Chrome	Twilite	
	NES M 4063	New Matt Chrome	NiMac M-Satin Star (Shadow)	
	NES M 4063	New Black Matt Chrome	NiMac M-Satin Star (Shadow) + Twilite	
Porsche	PTL4025	Galvanosilber N 6	ELPELYT PEARLBRITE K6 AL	
	PTL4025	Galvanosilber 09	ELPELYT PEARLBRITE K6 AL	
	PTL4025	Galvanosilber 09	NiMac M-Satin Star + Light	
Qoros	37 EC	Dark Chrome	Starlite	



OEM	Specification	Color / Finish	MacDermid Enthone Product
Renault	47-01-002	205,142 Satin Chrome	NiMac M-Satin Star
	47-01-002	205,356 Dark Chrome	Twilite
	47-01-002	205,379 ED1 Real Satin Chrome	NiMac M-Satin Shadow + M-Satin Star
	47-01-002	205,379 ED2 Real Satin Chrome	ELPELYT PEARLBRITE K6 AL
	47-01-002	205,391 Chromium	MaCrome CL3
	47-01-002	205,391 Chromium	TRILYTE Flash CL
SAIC	MCB	Dark Chrome	Twilite
Suzuki	—	Satin Chrome	NiMac M-Satin Star (Shadow)
Toyota	TSH 6504G	11CR03 Smoked Chrome	Twilite
	TSH 6504G	11CR19 Satin Chrome	ELPELYT PEARLBRITE K6
	TSH 6504G	11CR19 Satin Chrome	NiMac M-Satin Star (Shadow)
	TSH 6504G	11CR24 Trivalent Chrome	TriMac CP-200
	TSH 6504G	11CR35 Jet Black Trivalent	Chrome Eclipse
	TSH 6504G	11CR 37 Satin Chrome	ELPELYT PEARLBRITE K6 AL
	TSH 6504G	11CR37 Satin Chrome	NiMac M-Satin Star (Fine)
	TSH 6504G	11CR40 Exterior for Russia	NiMac M-Satin Shadow (Fine) + TriMac CP-200
	TSH 6504G	21CR11 Satin, Smoked Chrome	NiMac M-Satin Star (Shadow) + Twilite
	TSH 6504G	21CR17 New Satin	NiMac M-Satin Shadow
	TSH 6504G	21CR18 New Satin Smoked Chrome	NiMac M-Satin Shadow + Twilite
	TSH 6504G	21SV92 Smoked Chrome	NiMac M-Satin Shadow + Twilite
<small>*Consult MacDermid Enthone</small>	—	Black	Onyx + ECF Paint
TRW	—	Satin Trivalent Chrome Dusk	Twilite
	—	Bright Chrome Trivalent Chrome Dusk	Twilite
Volvo	—	Silk Metal	ELPELYT PEARLBRITE K6
	—	UNIDECO Interior Satin Silk	ELPELYT PEARLBRITE K6
VW Group	TL528	CR-18D	ELPELYT PEARLBRITE K6 AL
	TL528	1L1 Alu matt '99	ELPELYT PEARLBRITE K6
	TL528	44U Alu gebürstet	ELPELYT PEARLBRITE K6
	TL528	Alu 9X9	ELPELYT PEARLBRITE K6 AL
	TL528	BJ2 Alu medium '06	ELPELYT PEARLBRITE K6 AL + K4
	TL528	VCR-3Q7	ELPELYT PEARLBRITE K6 AL + K5
	TL528	VCR-3Q7	NiMac M-Satin Star & Shadow

AUTOMOTIVE OEM - SATIN NICKEL

Versatility - ELPELYT PEARLBRITE satin and NiMac M-Satin nickel processes reliably produce attractive, satin bright to full matte finishes on a diversity of automotive parts.

These processes produce uniform, smooth, satin finishes on a variety of plastics, steel, aluminum, and copper alloys over a broad current density range. As with traditional electrolytic nickel processes, they may be over-plated with gold, black nickel, silver, chromium, ruthenium, or other coatings to produce a variety of beautiful finishes.

Corrosion Resistance - ELPELYT PEARLBRITE and NiMac M-Satin nickels consistently meet the demanding performance requirements of the world's leading OEMs. The exceptional corrosion resistance provided by both systems in conjunction with multilayer nickel and chromium enable the coating to withstand extreme conditions, both inside and out of the vehicle!

Wear Resistance - All ELPELYT PEARLBRITE and NiMac M-Satin nickel finishes are highly wear resistant. This feature makes the processes desirable for decorative automotive applications where visual appeal is important and physical handling is high.



ELPELYT PEARLBRITE & NiMac M-Satin Features/Benefits

- Premium finish
- Exceptional corrosion and wear resistance
- Uniform finish with easily reproduced appearance in combination with the PEARLBRITE permanent unit
- Visually appealing, attractive alternative to bright nickel
- Flexibility to produce smooth satin bright to full matte finishes
- Versatile make-up allows different finishes to be produced in the same operating solution

Satin finishes and dark chromium have become highly desirable finishes for many automotive companies and continue to gain popularity as stylists seek to differentiate designs and brands.

The satin layer uniformly scatters any light falling on its surface. This unique micro satin effect can be adjusted from a fine sheen to a heavier matte finish. Dark finishes, deposited from trivalent chromium solutions, range from a smokey type appearance through to an almost black finish. Combined they constitute the MacDermid Enthone Fashion Finish range.

AUTOMOTIVE OEM - CHROMIUM



TRILYTE® Flash SF trivalent chromium plating process is ideally suited for automotive decorative applications. The lustrous coating of TRILYTE Flash SF makes it a preferred process for use in decorative automotive applications such as door handles, grills and exterior trim.

TRILYTE® Dusk is a UV stable, dark decorative chromium layer plated over bright or satin nickel deposits. TRILYTE Dusk deposits pass more than 80 hours of CASS (in conjunction with multilayer nickel systems) and meet most automotive exterior specifications. It is also highly tolerant to attack from calcium chloride containing salts.

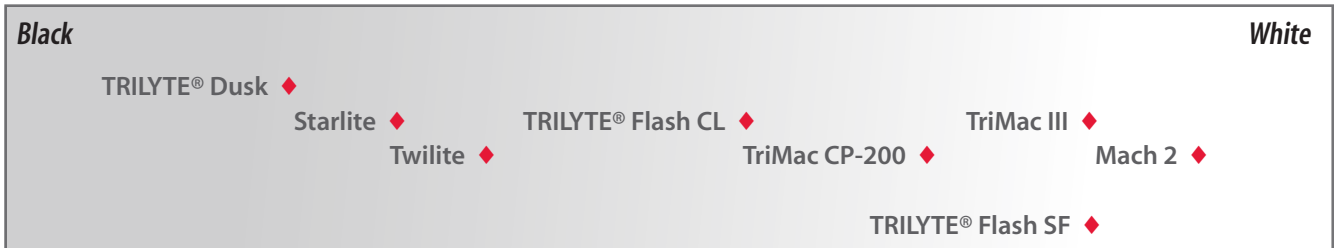
TRILYTE® Flash CL trivalent chromium plating process deposits a bright decorative calcium chloride resistant chromium layer over bright or satin nickel deposits. TRILYTE® Flash CL passes automotive CASS and Russian Mud tests when used in conjunction with multilayer nickel systems.

TriMac III the world's leading trivalent chromium plating process. TriMac III is the "industry standard" for trivalent chromium plating. TriMac III deposits are virtually indistinguishable from hexavalent chromium deposits.

TriMac CP-200 trivalent plating process has been designed to resist the harsh "Russian Mud" (calcium chloride salt) corrosion conditions. It delivers color and plating speed close to those obtained from hexavalent chromium electroplating baths, with improved deposit distribution.

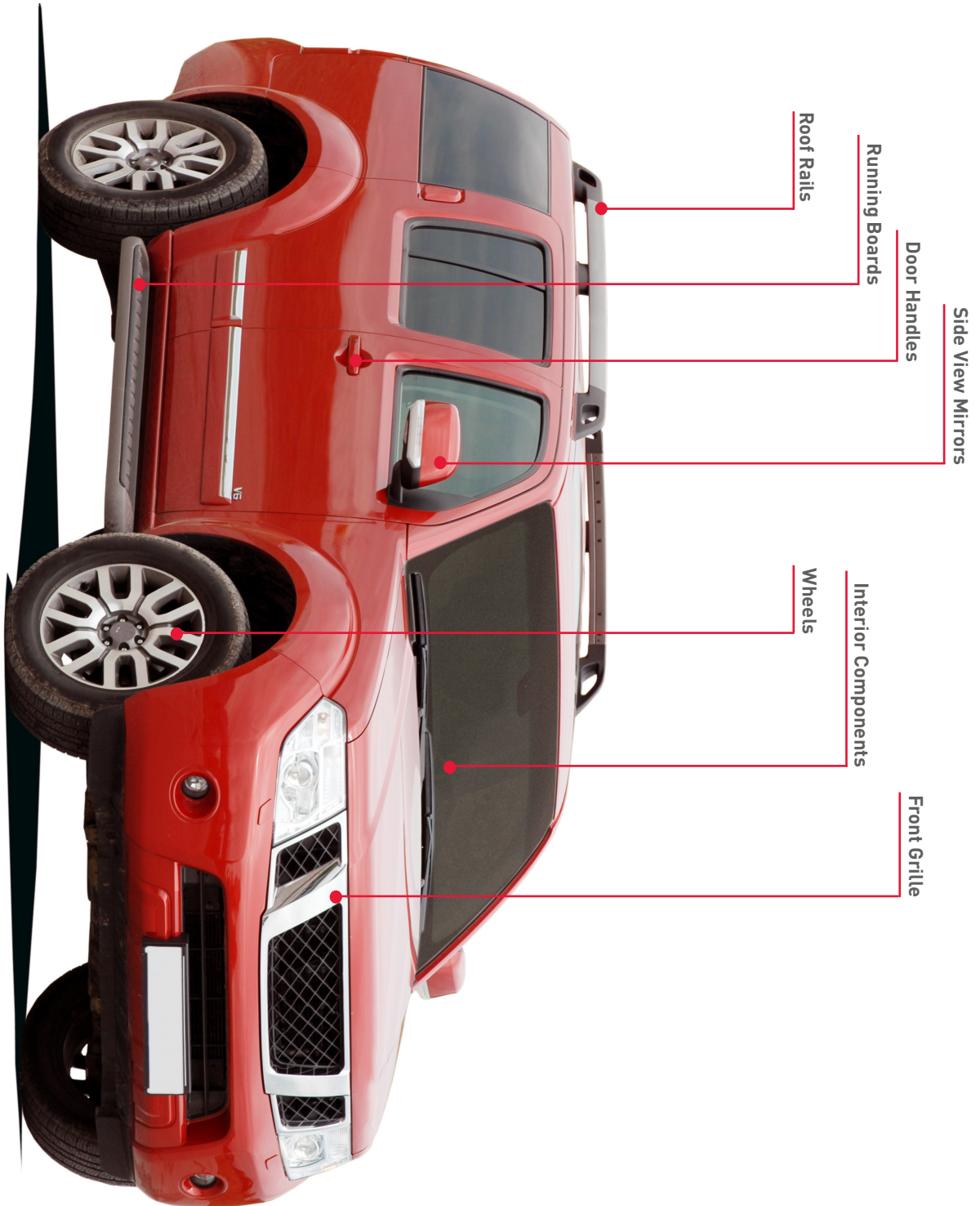
Twilite the first trivalent chromium plating process to break from tradition. Twilite has been adopted worldwide as the dark trivalent chromium finish for interior and exterior applications. Twilite has a cool dark shade and was named "Best Chromium Coating at FGK Road Test 2013/14." Twilite is both ELV and REACH compliant and passes automotive CASS and Russian Mud tests (when used in conjunction with multilayer nickel systems).

Starlite produces an attractive, lustrous dark chromium deposit usually on a bright or satin nickel deposit. Unlike many other dark inorganic coatings that generally have little inherent resistance to corrosion or abrasion it does not require a lacquer topcoat.



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MacDermid Enthone
INDUSTRIAL SOLUTIONS

For more information, please contact us at:

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