

TriMac ECLIPSE

Dark, trivalent decorative chromium process

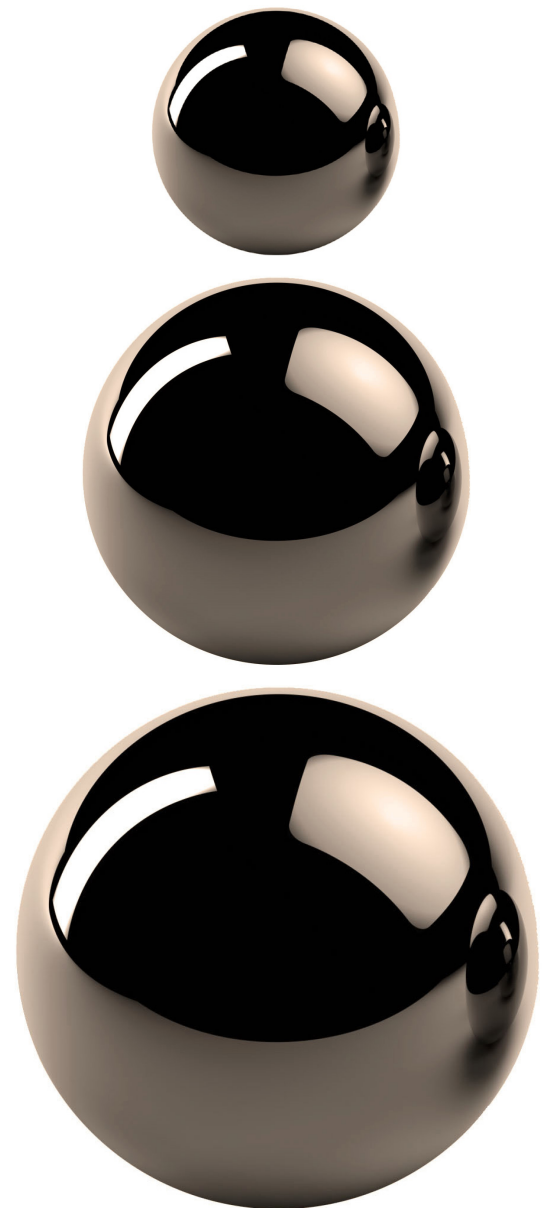


TriMac ECLIPSE is an environmentally compatible trivalent chromium plating process that is used to deposit a dark decorative chromium layer over bright or satin nickel deposits. For automotive applications, the process is highly tolerant to attack from calcium chloride containing salts. When used in combination with a MacDermid Enthone satin or bright nickel process and a microporous noble nickel, **TriMac ECLIPSE** provides exceptional CASS performance.

The **TriMac ECLIPSE** deposit is consistent over normal current density ranges and is UV stable. The process is tolerant to current interruptions, provides more uniform metal distribution and reduces or eliminates high current density burning as compared to conventional hexavalent systems.

TriMac ECLIPSE, unrivaled innovation

- Reproducible and stable color
- Passes more than 80 hours of CASS
- Automotive approved dark, lustrous coating
- Meets local environmental standards and air treatment requirements



TriMac ECLIPSE

Unrivaled innovation



TriMac ECLIPSE performance

Basis: sulfate; dark.

	With Triple Nickel	With Quad Nickel
CASS	80 h +	100 h +
Russian Mud (Nissan, Honda, Porsche)	PASS	PASS

TriMac ECLIPSE is Honda and Toyota approved and meets the stringent performance requirements as listed above.

TriMac ECLIPSE, unrivaled innovation

Feature	Benefit
<ul style="list-style-type: none">Lustrous, dark finish	<ul style="list-style-type: none">L value of 40 to 46Allows end-uses to differentiate product
<ul style="list-style-type: none">Low concentration	<ul style="list-style-type: none">Eliminates exposure to hexavalent chromiumReduced waste water treatment costsEliminates exposure to hazardous metals (selenium, thallium, nickel) common in other blackening products
<ul style="list-style-type: none">Hard, scratch-resistant coating	<ul style="list-style-type: none">No top coat required after plating as with nickel, tin and cobalt-based systems
<ul style="list-style-type: none">Stable deposit color	<ul style="list-style-type: none">Uniform color on complex part geometriesEasy color match over time
<ul style="list-style-type: none">Stable process chemistry	<ul style="list-style-type: none">No dumping and remaking as with tin-based systems
<ul style="list-style-type: none">Passes more than 80-hour CASS when used in conjunction with multilayer nickel systems	<ul style="list-style-type: none">End-user can expand their position with OEMs



For more information, please contact us at:

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