

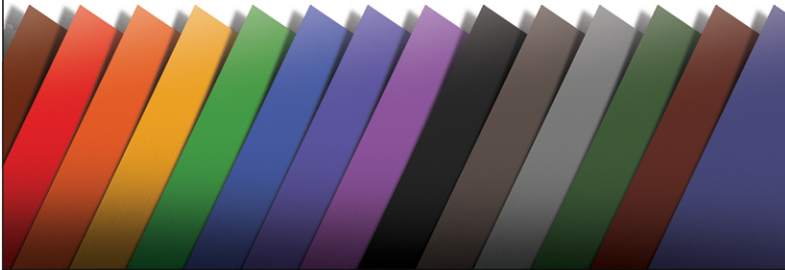
CERAKOTE®



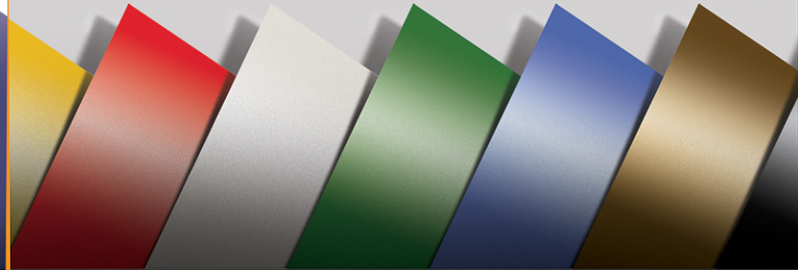
ANODIZING

COLOR & APPLICATION OPTIONS

Cerakote offers over 200 unique and popular colors, and can be applied to all ferrous and non-ferrous metals, plastics, composites and many other substrates.



Due to the chemicals used in the process, anodizing offers a very limited color selection and can only be used on aluminum and titanium.



CONSISTENCY

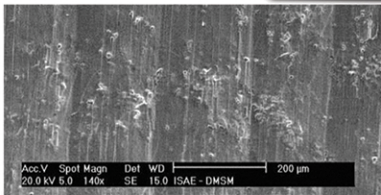
All **Cerakote** colors are held to a color consistency standard of a Delta E of 1 or less. Typically, the human eye can only see color differences greater than a Delta E of 2 or more.



Color consistency is known to vary widely from part to part and batch to batch due to chemical variations and subtle differences in the substrate that cannot be controlled.

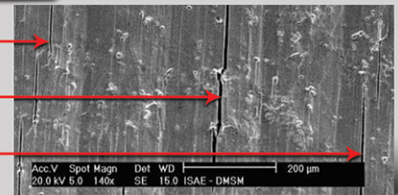


IMPACT ON ALUMINUM ALLOYS



Cerakote does **NOT** detrimentally affect the fatigue properties of aluminum alloys.

**Anodizing
Stress &
Fatigue**



The anodizing process creates a brittle and porous oxide layer and tensile residual stress, which detrimentally affects the fatigue properties of aluminum alloys. This fatigue has been widely reported and documented.

<https://www.finishing.com/153/15354ext.pdf>
<https://core.ac.uk/download/pdf/12042030.pdf>

ENVIRONMENTAL IMPACT

Cerakote does not contain any heavy metals and is VOC exempt in all 50 states.



<https://www.cerakote.com>

The chromic acid anodizing process releases hexavalent chromium, a powerful carcinogen, into the environment. As a result, the use of hexavalent chromium is becoming increasingly restricted by regulations.



<https://www.finishing.com/153/15354ext.pdf>