



## BM1920 Chrome-Free Fastener Sealant-The Best Replacement for Hexavalent Chrome



Hexavalent rainbow-color zinc screws have long been used across industries, especially in C2 corrosion environments. However, as environmental regulations tighten, the highly toxic hexavalent chromium process is being phased out due to its harmful impact. Despite this, its low cost and reliable performance have made it difficult to fully replace.

TrueEco has developed a thin-film, chromium-free nano-coated screw using proprietary nano-ceramic technology. This non-toxic, eco-friendly solution has passed a 96-hour salt spray test, offering excellent corrosion resistance and surface stability that meet C2 environment requirements. Additionally, the process allows for cost control—making it price-competitive with hexavalent chromium yellow zinc screws—and can incorporate light-colored dyes for easy product identification.

### Compliant with C2

#### Product Features

**Eco-friendly:** No hexavalent or trivalent chromium, compliant with global regulations.

**Cost-effective:** Low production cost, competitive with hexavalent chromium zinc.

**Excellent Rust Resistance:** Passes salt spray test, better than hexavalent chromium, for C2 environments.

**Customizable Colors:** Adjustable coating for easy identification.

**Durable & Wear-resistant:** Forms a dense protective layer for long-lasting protection.



#### Applications

- Auto parts
- Construction hardware
- Electronic components
- Industrial machinery

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