

Collaboration with OEM to address coating challenge

**NEW**

# High Gloss Black

*Specialty Functional Finish for Black Fasteners*

Quality standards are an extremely important focus for automotive and other durable goods industries. Columbia Chemical regularly assists OEMs with development of specs, coating choices, technical troubleshooting, engineer training and technology updates.



**CHALLENGE:** An automotive OEM reached out to Columbia because they were seeing the majority of their black fasteners come across with a non-uniform appearance: browns, gray, iridescent. The issue was repeatedly addressed with the applicator and even the chemistry supplier to no avail. The OEM was looking for a solution that would offer the consistency and quality expected.

**SOLUTION:** Columbia Chemical's technical OEM team gathered the necessary information, evaluated the adhesion and appearance issues, talked with the applicator to understand their frustrations with the current chemistry and then set to work developing a solution. A specialty functional finish for black fasteners was the result. After production runs and testing were completed, the process was approved for use.

- **COLUMBIA CHEMICAL®**  
Zinc-Nickel Process
- **COLDIP® NI-Z Black 505 CFT**  
Cobalt Free Black Trivalent Passivate
- **TRIVECTA SEALER 350**  
Chromium Based
- **COLFIN TTM 0814B**  
Torque Tension Modifier

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