

# Zinc flake coatings

For outstanding corrosion protection



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General metal finishing

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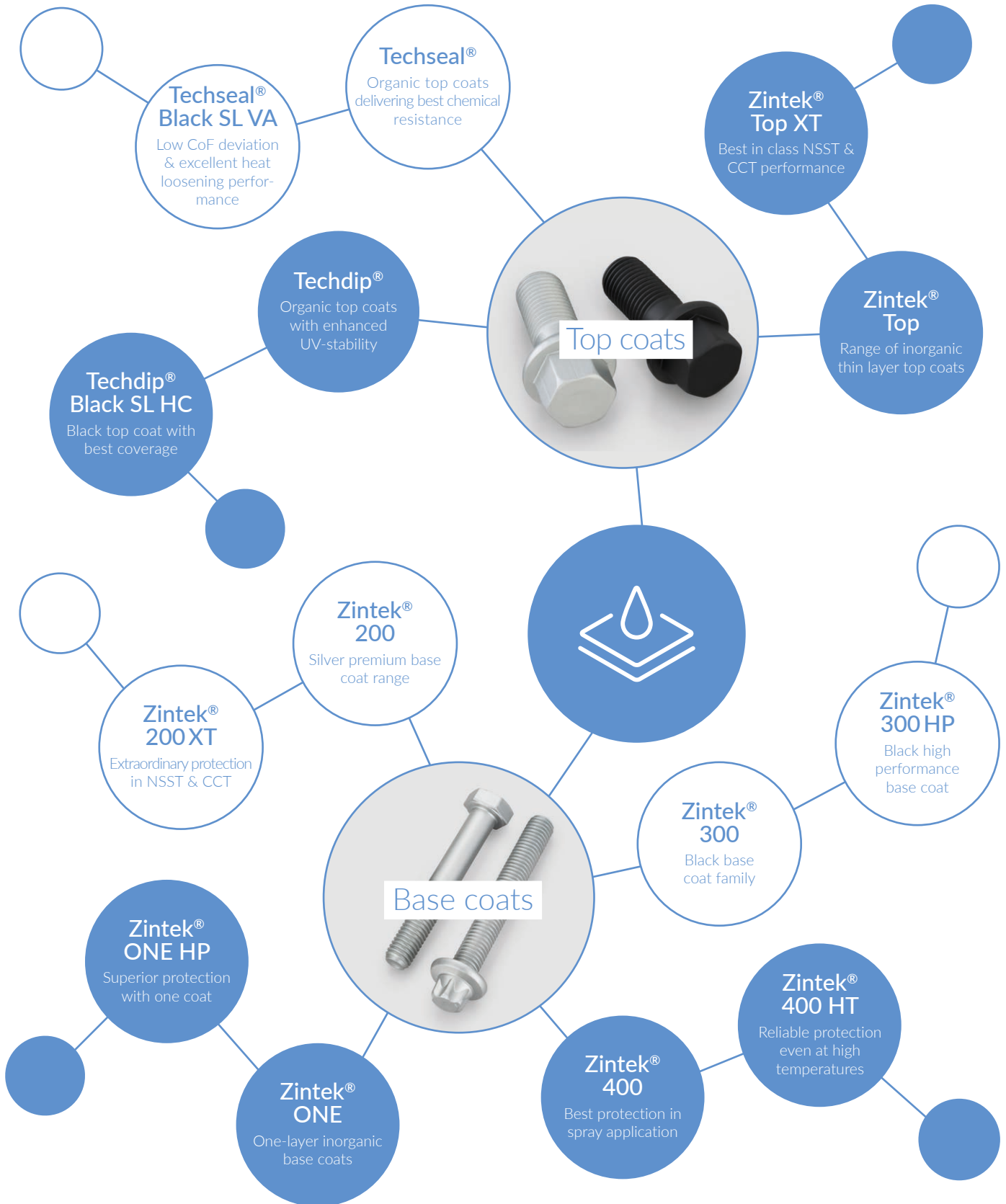
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# Our extensive solutions portfolio





## High performance protection

Atotech provides a comprehensive portfolio of zinc flake coating processes that include innovative silver and black base coats as well as sophisticated organic and inorganic top coats. Atotech's zinc flake finishes are recognized for their premium technical as well as economic capabilities and as such are widely approved by various industries. They are applicable for a wide range of parts including fasteners, springs, clips, clamps, stamping parts, brake components, chassis parts and many more.

Zinc flake coatings find widespread use within automotive applications due to their high grade of corrosion protection. This coating technology is applied with a dip-spin, rack-spin or spray technique, therefore eliminating the problem of hydrogen embrittlement. The coatings are completely free of Cr(VI), nickel, lead, cadmium, mercury and cobalt while fulfilling performance requirements of numerous global OEMs. Zinc flake coatings are not only appreciated by the automotive industry but also by the renewable energy sector, the construction and agriculture industries as well as others.

### Base coats

Base coats are the initial layer of zinc flake systems that provide corrosion resistance with their cathodic corrosion protection mechanism. Atotech's signature series of Zintek® base coats is comprised of both high performance silver and black base layers.

### Top coats

Inorganic or organic top coats are the final layer of the zinc flake coating system and enable the formation of a multi-functional coating. Top coats provide additional features like controlled Coefficient of Friction, chemical resistance and increased corrosion protection.

### Modular systems

Combinations of base and top coats enable zinc flake coating systems to be tailored to fit individual OEM requirements. Top coats can also be applied on electroplated zinc or zinc alloy layers to enhance their performance.

# End markets and industries Atotech serves



Automotive



Sanitary



Consumer electronics



White goods



Oil and gas



Construction

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Corrosion Protection Competence Center



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