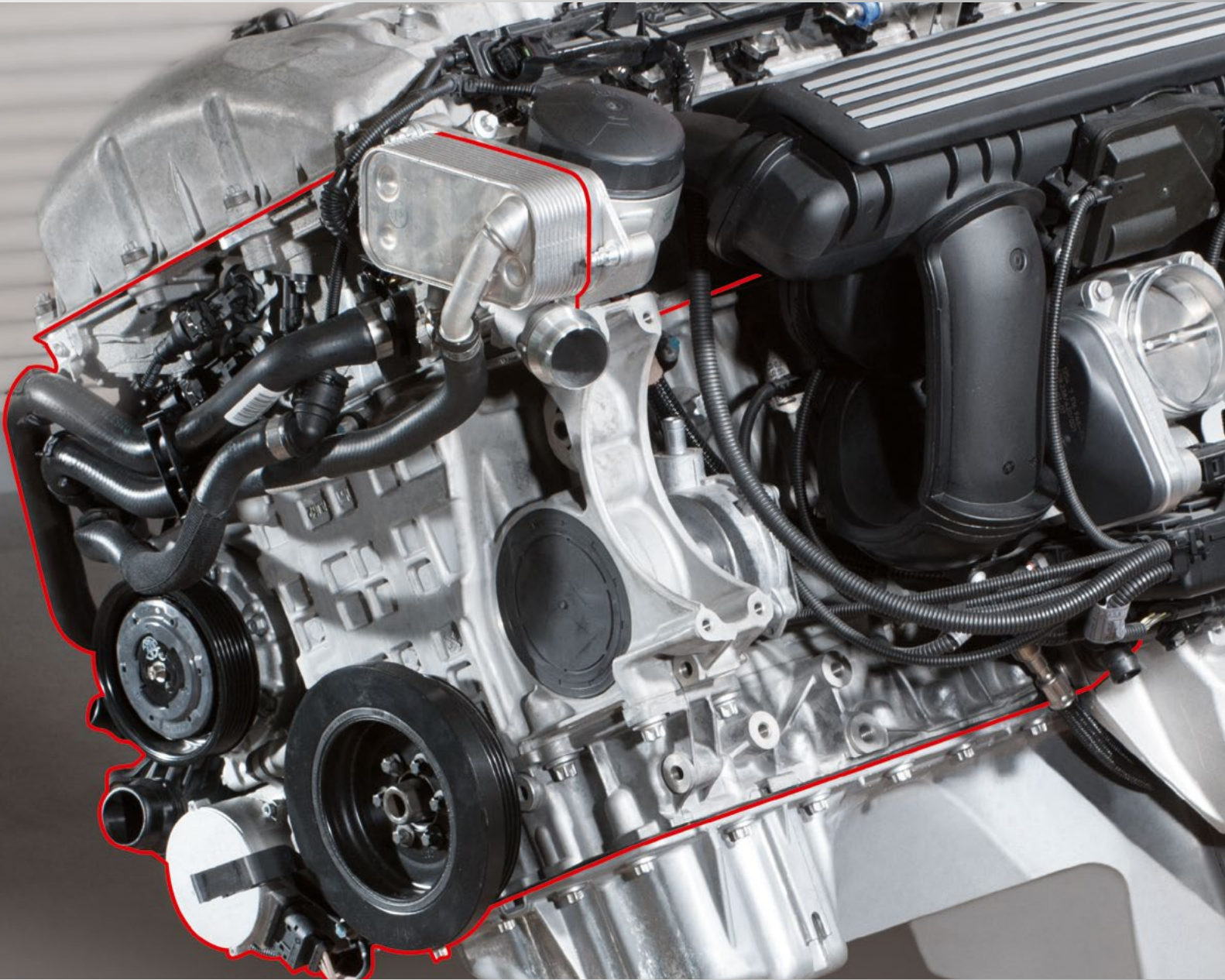


**LOCTITE**  
**BONDERITE**



## Electroceramic Coatings

Henkel's Electroceramic Coatings virtually eliminate corrosion on aluminum, titanium, magnesium and their alloys while providing additional multifunctional properties.



# LOCTITE<sup>®</sup> BONDERITE<sup>®</sup>



## Benefits of Electroceramic Coatings

### Corrosion protection

- > Excellent corrosion protection combined with high resistance to chemicals and high temperature
- > Up to 5,000 hours bare scribe corrosion performance on standard alloys
- > Coating and waste streams 100% free of heavy metals

### Friction and wear reduction

- > Low coefficient of friction in both dry and lubricated conditions
- > Excellent oil absorption and retention properties
- > Extremely high wear resistance in abrasive environments

### Emissions improvement

- > Potential to reduce NOx emissions in the combustion process
- > Reduced combustion sound level in diesel engines

## Physical characteristics

<b>Thickness</b>	can be varied to customer requirements from 3 to 45µm
<b>Hardness</b>	can be varied from 300 to 1,300 Hv to suit the application need
<b>Roughness</b>	0.9µm (unpolished) to 0.2µm (polished)
<b>Abrasion</b>	0.5 (Taber wear index CS 10 wheel 10,000 cycles)

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