

BONDERITE[®]



BONDERITE Electroceramic Coatings

For the ultimate protection of light metal substrates

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

Benefits:

Corrosion protection

- Can be used as a primer
- 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

Process Efficiency

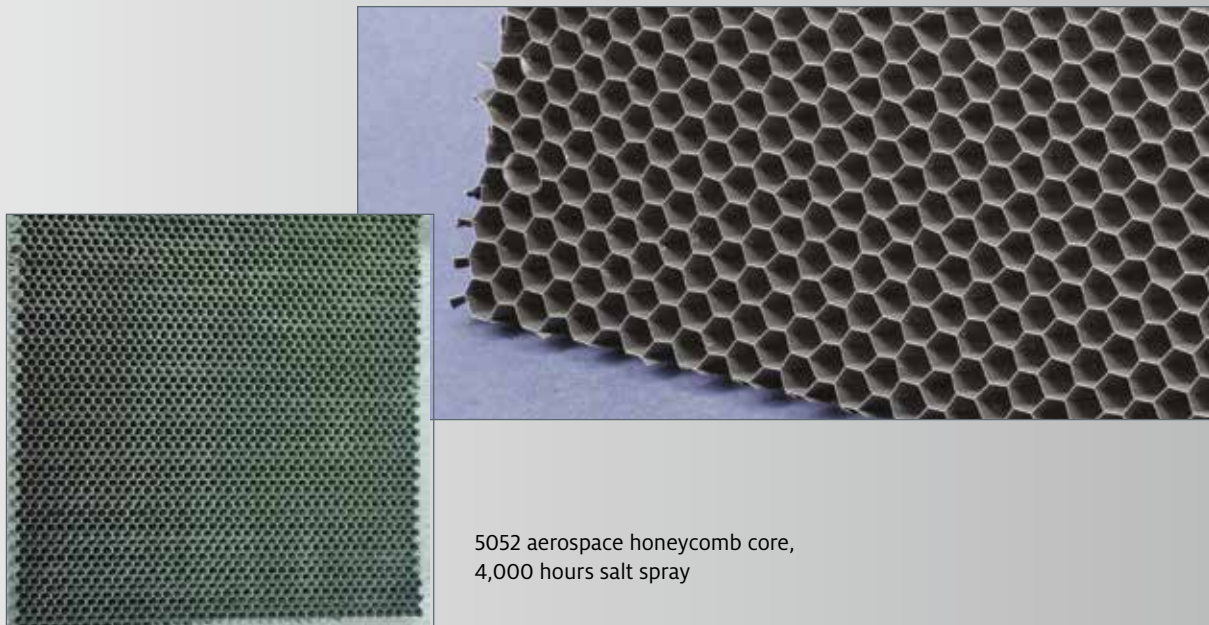
- Can reduce manufacturing time and costs

www.henkel-adhesives.com/aerospace



PHYSICAL CHARACTERISTICS

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



5052 aerospace honeycomb core,
4,000 hours salt spray

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