



HIGH TEMPERATURE THERMAL BARRIER COATINGS SYSTEMS.

TBCs for Gas Turbine Engine Components
Standard EB-PVD TBC – Advanced TBCs
TBC Bond Coats – Coating Services

Honeywell

THERMAL BARRIER COATINGS (TBCs).

To maximize performance, gas turbine engine operators must push gas temperatures far above the melting point of superalloys. Thermal Barrier Coatings (TBCs) are used to insulate components from hot combustion gasses and are in operation on well over 20-million components worldwide.



HONEYWELL COATINGS SERVICES

To better serve TBC customers, Honeywell recently expanded its manufacturing facilities in Greer, South Carolina with additional electron beam – physical vapor deposition (EB-PVD) TBC equipment, bond coats, and supporting upstream and downstream operations and services.



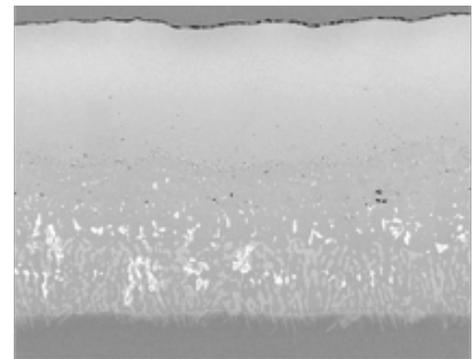
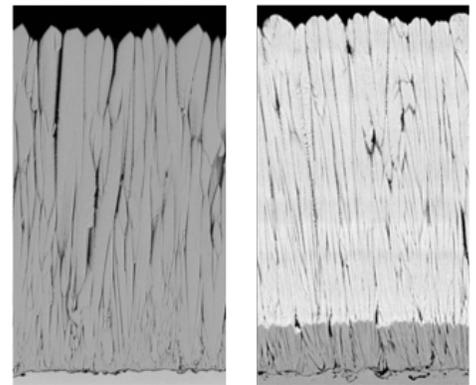
STANDARD TBC, ADVANCED TBCS AND CMAS RESISTANCE

Our EB-PVD coaters are fully equipped to provide industry standard 6-8YSZ TBC as well as advanced single-layer or multi-layer TBCs. Honeywell's next generation TBC provides industry leading improvements in conductivity, toughness, high temperature phase stability and TBC life. These improvements enable either higher firing temperatures or longer service life. Honeywell also has multiple technologies in the pipeline to improve TBC life in certain sand and dust laden "CMAS" environments.



BOND COATS

Honeywell has improved and expanded its platinum and aluminizing operations to offer world class gas phase simple aluminide or platinum-aluminide TBC bond coat capabilities.



For More Information

Please contact

T: +1 800 601 3099

E: TBC@honeywell.com

Honeywell International Inc.

400 S. Buncombe Road
Greer, SC 29652
aerospace.honeywell.com

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