



## PRAXAIR NEWS RELEASE

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### PRAXAIR SURFACE TECHNOLOGIES INTRODUCES ADVANCED REACH-COMPLIANT, CHROME-FREE COATINGS FOR AVIATION AND INDUSTRIAL TURBINES

DANBURY, Conn., December 18, 2014 – Praxair, Inc. (NYSE: PX), today announced the introduction of a new line of chromium (VI)-free ceramic aluminum coatings for the aerospace and power generation industries. Praxair Surface Technologies' new line of slurries sustainably produces coatings with the same high performance of legacy chrome-containing coatings.

The company's *SermeTe*<sup>™</sup> CF and *SermaLoy*<sup>®</sup> J CF systems meet the stringent requirements of gas turbine OEM specifications and preserve the surface finish of engine components to extend the useful life of critical parts in gas turbines and industrial equipment. The coatings are also REACH-compliant (Europe's regulation for the Registration, Evaluation, Authorization and Restriction of Chemicals).

***SermeTe*<sup>™</sup> CF Coatings** are chrome-free replacements of legacy *SermeTe*<sup>™</sup> 5380, *SermeTe*<sup>™</sup> 2F-1 and *SermeTe*<sup>™</sup> 6F-1 coatings. They provide protection from corrosion, heat degradation and fouling of components. The ***SermaLoy*<sup>®</sup> J CF Coating** is a chrome-free diffusion slurry that offers equivalent performance to traditional *Sermaloy*<sup>®</sup> J coatings. *SermaLoy*<sup>®</sup> J CF coatings provide protection against hot corrosion and oxidation in gas turbine engines and other severe environments.

Praxair Surface Technologies offers a comprehensive array of high-performance coatings and technologies to the aviation, energy and other industries. By continuously advancing coatings technologies, Praxair Surface Technologies helps customers improve environmental performance, decrease energy consumption, extend component life, improve productivity, minimize downtime, reduce operating costs and produce high-quality products.

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#### >> About Praxair

Praxair, Inc., a Fortune 250 company with 2014 sales of \$12.3 billion, is the largest industrial gases company in North and South America and one of the largest [worldwide](#). The company produces, sells and distributes atmospheric, process and specialty [gases](#), and high-performance surface coatings. Praxair products, [services](#) and technologies are making our planet more productive by bringing efficiency and environmental benefits to a wide variety of industries, including [aerospace](#), [chemicals](#), [food and beverage](#), [electronics](#), [energy](#), [healthcare](#), manufacturing, primary metals and many others. More information about Praxair, Inc. is available at [www.praxair.com](http://www.praxair.com). More information about Praxair, Inc. is available at [www.praxair.com](http://www.praxair.com). Additional information about Praxair Surface Technologies is available at [www.praxairsurfacetechologies.com](http://www.praxairsurfacetechologies.com).

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