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Attention: New Product Editor

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NEW PRODUCT RELEASE

High Temperature Coating Stable To 1100°F

Cortec® VpCI®-397 provides a tough coating for high temperature applications up to 1100°F (593.3°C). It offers excellent weather and corrosion resistance to severe conditions for parts such as mufflers, exhaust stacks, turbines, engines and generators utilized in the automotive industry, aviation, off shore drilling and power generation.

At highly elevated temperatures, metals require superior protection to withstand the increased attack of fatigue and corrosion brought on by extreme heat. Cortec® Laboratory Researchers developed a special aluminum, water-borne silicone coating that offers excellent protective properties for ferrous and nonferrous substrates. With only a thin film thickness it provides over 600 hours of salt spray resistance.

Cortec® VpCI®-397 can be applied by dip or spray. It dries tack-free at room temperature with a <6B hardness (Soft). When cured to 500°F for two hours, the VpCI®-397 film turns to a extremely hard coating of 9H hardness (Hard). This extremely tough coating is helpful for applications that have exposure to rocks, grit or sand that can nick or abrade the coating. The extreme hardness of the VpCI®-397 film minimizes the potential of breaking or penetrating the coating to cause an open area for weather and corrosive elements to attack.

The new coating utilizes Cortec® patented VpCI® technology for enhanced corrosion resistance. Unlike many corrosion inhibitors that would evaporate or burn away at high temperatures, the Cortec® VpCI® brings continuous protection to the metal substrate. As additional protection is required, the VpCI® releases additional inhibitors which move to the affected metal surface area. This special ability greatly helps minimize the development of micro-corrosive cell sites which become very susceptible to aggressive gases and moisture during cool down.

The strong protective abilities of Cortec® VpCI®-397 help extend the life of equipment and components. When possible, it is recommended that both sides of the metal substrate be coated for maximum protection. Its brilliant aluminum color enhances the appearance of coated surfaces.

Photos: High-resolution photo of Cortec® VpCI®-397 Coating available for download at: <http://www.blueleopard.net/cortecdownload/397>

Company Description: Cortec® Corporation, a pioneer in environmentally friendly packaging, metalworking, cleaning, water treatment and metal protection technologies, is located in White Bear Lake, Minnesota. ISO 9001 and 14001 Certified, they manufacture over 300 products in five plants located in Minnesota and Wisconsin. Cortec is a global supplier of innovative and environmentally friendly specialty chemicals, plastics and coated papers.

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