

News

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Press contact

Maya Staels
Duomedia Public Relations
T +32 2 454 85 50
maya.s@duomedia.com

Bekaert presents new Cavidur[®]HT coating at PMW 2009

Extending DLC coatings to entire engine component range - demonstrated at booth 2035

Bekaert Diamond-Like Coatings, the worldwide leader in performance engine coating technologies, will be participating at the renowned Professional Motorsport Show 2009 in Cologne, Germany. The company will present its new high-temperature resistant Cavidur[®]HT coating, a breakthrough in its DLC product range. The event takes place November 3-5 at the Koelnmesse. Bekaert can be visited at booth 2035.

DLC coating of high-temperature components

The two defining characteristics of DLC coatings are their resistance to extremely hard-wearing conditions and their very low coefficient of friction, which makes them ideal for a wide variety of engine components.

It is commonly known that DLC coatings are resistant to temperatures up to 400°C (750°F), and that they are therefore typically applied on engine components that endure low temperatures. Until now, this low-temperature resistance has been considered a weakness of DLC coatings, as it excludes components that operate at high temperatures, such as exhaust valves.

Some suppliers currently use chromium nitride (CrN) coatings as an alternative for coating these components and protecting them against friction and wear. But now Bekaert has developed an alternative DLC coating. Tests on engines used in NASCAR races have shown that the Cavidur[®]HT coating can be successfully applied to exhaust valves, giving engine builders a suitable alternative to existing CrN coatings.

One-stop DLC coating supplier

The Cavidur[®]HT coating is revolutionary in more than one way. Not only can engine builders now apply DLC coatings on their high-temperature components to protect them against wear and friction, they can also rely on one dependable DLC coating supplier for coating the entire component range. This saves time and cuts transport and logistics cost, and establishes Bekaert as a one-stop supplier for its worldwide customer base.

Meeting market needs

The Cavidur[®]HT coating has been developed following in-depth research by the company and invaluable feedback from its customers, who repeatedly requested DLC coatings that could endure high temperatures for their engine components. "The Cavidur[®]HT coating is a significant breakthrough and is being successfully applied to exhaust valves at various suppliers. It's the perfect way to kick-off of our participation at PMW 2009," explains Mark Boghe, Product Market Manager, Bekaert.

Visitors who are interested in learning about this new coating can meet Mark Boghe at booth 2035 at PMW 2009.

Journalists who are interested in scheduling a meeting with Mark Boghe at PMW 2009 can contact Maya Staels at Duomedia Public Relations at 0032 (0)2 454 85 50 or get in touch via maya.s@duomedia.com.

About Bekaert

Profile

Bekaert (www.bekaert.com) is a global technological leader in its two core competences: advanced metal transformation and advanced materials and coatings, and a market leader in drawn wire products and applications. Bekaert (Euronext Brussels: BEKB) is a global company with headquarters in Belgium, employing 23 000 people worldwide. Serving customers in 120 countries, Bekaert pursues sustainable profitable growth in all its activities and generates annual combined sales of € 4 billion.

The company supplies the Formula 1, Rally, DTM, Formula 3 and NASCAR business with high quality Bekaert Cavidur[®] coating solutions. The unique composition and structure of Bekaert Cavidur[®] results in the most reliable surface engineered solutions for highly loaded engine components, increasing lifetime of these parts and significantly decreasing friction losses, providing an excellent adhesion under extreme conditions.

Based on this success and Bekaert's engineering capabilities for high-volume automotive products, Bekaert expanded its range with Bekaert Dylun[®] Plus coatings for high-volume automotive solutions. The most reliable and highest performance surface solution available on the market today, Bekaert Dylun[®] Plus reduces friction losses, resulting in higher engine output and improved fuel consumption.

Bekaert offers its diamond-like coatings via sales and manufacturing offices in Belgium, France, Germany, United States, Singapore and China.

Bekaert can be contacted via Mark Boghe, product market manager for Bekaert, at:

+32 (0)9 338 59 10, e-mail: mark.boghe@bekaert.com. More information is available at www.bekaert.com/bac.

Journalists can contact Duomedia Public Relations for more information on maya.s@duomedia.com or visit www.bekaert.com/bac.