



# THE FASTENER ENGINEERING AND RESEARCH ASSOCIATION

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## FERA SEMINAR – EXPERIENCES AND ISSUES USING CR6-FREE COATINGS THURSDAY 13 MARCH 2008

National Metalforming Centre - 9.30am [Registration 9.00-9.30am]

The drive to eliminate Cr6 from coatings is of significant concern to the Fastener industry. This workshop has been convened by FERA to review the performance of alternative coating strategies since the implementation of the ELV directive in July 2007.

The workshop will be chaired by Dr John Newnham, Fastener Specialist of the Confederation of British Metalforming [CBM]. The impressive International line-up of speakers represents key suppliers, processors and users of coating technologies. This is an excellent opportunity to gain a detailed understanding of the issues and challenges in moving from Cr6 compositions. Particular questions and concerns can be tabled in advance of the event by emailing [jnewnham@britishmetalforming.com](mailto:jnewnham@britishmetalforming.com).

### Programme

**09.00 Registration & Coffee**

**09.30 Welcome & Introduction**  
**John Newnham, Fastener Specialist, CBM**

**09.40 Fastener Assembly Problems Experienced by VW**  
**Burghard Werthe, VW Hannover**  
Herr Werthe is the top VW expert on the tightening and installation of fasteners, and has been greatly involved in the implementation of the Cr6-free coatings in VW. He will describe the experiences, consequences and new challenges of the changeover to Cr6-free coatings, and show how control of the tightening processes has been affected. VW is not yet in a completely trouble-free situation with the Cr6 free coatings, although their performance continues to improve.

**10.35 Water-based Chrome-free coatings**  
**Clive Pearce, UK Representative, Dacral S.A.**  
Dacral is a leading developer and manufacturer of water-based coatings, and has several coatings that are chrome-free, for use on fasteners. Clive Pearce describes the coatings available, and the benefits they give.

**11.00 Tea & Coffee**

**11.15 Experiences with the Change to Cr6-free Coatings**  
**Andrew Bliss, Sales Director, Anochrome Group**  
The Anochrome Group are specialists in the provision of protective and decorative coatings, and are also well equipped to test the performance of coatings on fasteners. They can supply a broad range of hexavalent chrome-free coatings, including electroplating mechanical, organic and zinc flake types. They have been very much involved in the provision of these coatings for automotive applications, and will describe their experiences to date.

**12.00 Q&A and Discussion**

**12.15 Buffet Lunch**

**£££: FERA/CBM members & members' guests £25+VAT**  
**Non members £50+VAT to include free buffet lunch**

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FERA is sponsored by the Confederation of British Metalforming [CBM]  
[www.britishmetalforming.com](http://www.britishmetalforming.com)

