



Green Surface Treatment

The Demand for Chrome-Free

The enforcement of European regulations, such as the End-of-Life Vehicle Directive dictating no use of hexavalent chromium after 1st July 2003, and major manufacturers demanding chrome-free products that are equally resistant to corrosion, means that making sure you are using the right alternative pre-treatments to suit your products and customers is absolutely critical.

But how can you be sure that what you choose is the right alternative and minimise the cost and risk of your investment?

The Solution

Innoval has unrivalled knowledge and experience of developing, testing and applying chemical and electrolytic, chrome-free pre-treatment systems.

We are experts in the use of surface treatment systems, applied by dip, spray and roll coating, for cast, rolled and extruded aluminium product forms used in building, automotive and packaging applications.



"We can provide you with a problem-free, workable solution very quickly. We can draw on our considerable testing and system characterisation experience. This prevents "re-inventing the wheel" and carrying out time consuming and costly tests that you do not need."

Geoff Scamans, Innoval Technology.

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How can we help you?

If you are using chrome-containing pre-treatments and are seeking to replace them with the right environmentally-friendly alternative, we are at your service.

We know about the available chrome-free systems on the market.

On a pay-as-you go basis, we can:

- Advise you on the range of chrome-free systems available, taking into account all the different uses you have.
- Tell you which tests you should use to confirm you have the right chrome-free treatments for your products.
- Carry out an economic assessment of suitable options.
- Impartially guide you to the best supplier to meet your needs.
- Offer solutions for effective monitoring and quality control of the new pre-treatment system.
- Plug knowledge gaps and provide technical support to maintain the smooth running of your new pre-treatment system.

Critical issues that we can solve:

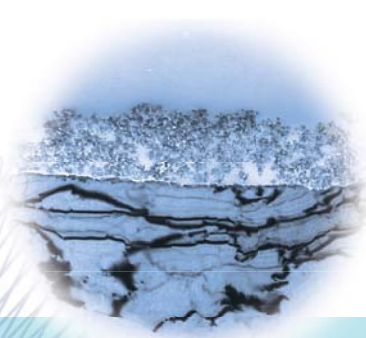
- Are you using the right alloy?
- Is the cleaning system effective?
- Is it possible to use recycled metal?
- Is the use of continuous cast metal an option?
- Is fast anodizing a possible solution?

Who are Innoval?

Innoval Technology was formed in 2003 by materials scientists, engineers and business managers as a buy-out from the Banbury Research Centre of Alcan International.

Collectively our team has over 400 years experience and is equipped with the skills, knowledge and latest technology to solve all your materials problems, trouble-shooting and development needs.

Our expertise is known throughout the world. We have published in excess of 350 technical papers and patents, and are in the final stages of approval for ISO 9001 and ISO 17025.



For more information contact:

Innoval Technology
Beaumont Close
Banbury
Oxon OX 16 1TQ

Tel: + 44 (0) 1295 702800
Fax: + 44 (0) 1295 702898/9
Email: enquiries@innovaltec.com
<http://www.innovaltec.com>

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