

TriChrome[®] Ice

A new bright process for the TriChrome[®] trivalent chrome family

Your Press Contact

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New legislations, that restrict the use of certain substances highly influence product development and dominate research projects in the electroplating industry.

Atotech's trivalent chromium processes for decorative applications – the TriChrome[®] series – are a sustainable alternative to hexavalent chromium plating. The process range encompasses the whole color palette – ranging from a bright, clear appearance to darker shades – enabling a variety of design options. Over the last few years Atotech has extended its portfolio of dark finishes step-by-step. With the introduction of **TriChrome[®] Ice**, Atotech has now upgraded its bright range of colors with a new finish, complementing its well-known, tried-and-trusted TriChrome[®] Plus process.

TriChrome[®] Ice is a chloride-free trivalent chromium process providing a very bright color, which resembles hexavalent chrome. This latest process of the TriChrome[®] family, achieves excellent corrosion protection results. It is therefore highly suitable for application in the automotive, sanitary, consumer and electronic goods industries. This stable and sustainable plating process shows superior throwing power and is applicable for both metallic and plastic surfaces.

Using **TriChrome® Ice** in combination with a TriChrome® Ion Exchanger Unit, Atotech's regeneration system for TriChrome® electrolytes, increases the lifetime of the electrolyte and allows the removal of metallic impurities to guarantee best quality during operation.

With TriChrome®, Atotech continues to comply with the most demanding industry requirements, while setting design benchmarks with the different color nuances available.



Fig. 1: TriChrome® color range

About Atotech

With annual sales of €885 million, Atotech is one of the world's leading manufacturers of processes and equipment for the printed circuit board, IC-substrate and semiconductor industries (Electronics) as well as the decorative and functional surface finishing industries (General Metal Finishing). Committed to sustainability, Atotech develops technologies that minimize waste and reduce environmental impact. Atotech, a division of the Total Group, is headquartered in Berlin, Germany and employs about 4,000 people in over 40 countries.