

Chrome

SLOTOCHROM DR 1140

The Chrome SLOTOCHROM DR 1140 is an electrolyte for the deposition of decorative chromium layers with layer thicknesses of max. 0.2 µm. Chrome SLOTOCHROM DR 1140 doesn't contain chromates (hexavalent chromic acid) and operates on the basis of Cr(III) compounds. As a result, Environmental and Employment Protection are improved considerably. In addition, there will be no need for a separate effluent engineering and Cr(VI) reduction in the detoxification. The sulphate based electrolyte is also free from ammonia. Chrome SLOTOCHROM DR 1140 is operated without wetting agents containing PFOS (PFT). This avoids the restriction for decorative chrome plating.

The chrome coatings are light and very close in appearance to those provided by conventional Cr(VI) electrolytes.

The metal distribution, coverage and throwing power of Chrome SLOTOCHROM DR 1140 is significantly superior to conventional electrolytes based on chromic acid. This means a considerably even metal distribution. The electrolyte is resistant to burnings in high current density areas. Auxiliary anodes or shields are seldom required even when parts with a complicated surface geometry are plated. There's no need to close drill holes or other perforations with a plug (unlike conventional chrome electrolytes) if parts are going to be chrome plated.

The information in this data sheet is based on laboratory as well as practical experience. Figures quoted for operating limits and replenishment quantities are for guidance. Actual values necessary will depend on the components being plated (material and geometry), their application and plating plant conditions.

Important:

Please read this instruction carefully prior to the use of the process and carefully follow all the parameters that have a direct influence on the operation. We reserve the right to make technical changes. In the interest of safety, please pay attention to the hazard warnings on the labels of the containers. The minimum shelf life of the products is included on the labels and is also available in the appropriate Quality Assurance (QA03).

The current IMDS number of the layer deposited from the process is available on the internet at www.schloetter.com/downloads.

For the storage of chemical products the TRGS 510 must be followed.

If the additives used in this process contain a SVHC-substance, then this will be specified in the corresponding Material Safety Data Sheet, section 15.

