

# Chromating METAPAS F black CA

The Chromating METAPAS F black CA is a process for black chromating of electroplated zinc coatings.

Make-up is performed with one liquid concentrate. A liquid product is also used for the pH adjustment.

The black chromating is used at room temperature and forms deep black, uniform surfaces which are abrasion- and flex-resistant in dry condition.

Analysis is usually not required and since the pH value is adjusted with a replenisher solution, electrolyte operation is very simple.

Chromating METAPAS F black CA can be used for rack- and barrel application.

A post-treatment of the chromate film to intensify the black colouration and to avoid bleaching respectively drying marks is possible by using Post-Dip Solution CF (BATH 09024-E)

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 only. Actual values necessary will depend on the components being plated (material and geometry), their application and plating plant conditions.

#### Important:

Please read this instructions 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](http://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.**

