

# 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 these instructions carefully and follow recommendations given. We reserve the right to make technical changes as necessary. In the interests of safety, please pay attention to the R- and S- phrases on the labels of the containers. The minimum shelf life of the additives is printed on the label of the container. The current IMDS number of the layer deposited from the process can be found on the internet at [www.schloetter.com/downloads](http://www.schloetter.com/downloads).

For the storage of chemical products only the TRGS 514 and TRGS 515 regulations must be followed. The Hazardous Goods Regulation (ADR/GGVS) is only valid **for transportation** and must not be applied to storage.

