

# Wetting Agent

## SLOTOCHROM CR 1270

Wetting Agent SLOTOCHROM CR 1270 is a polyfluoro-containing, PFOS-free, chromium(VI) resistant, surface active wetting agent. This wetting agent decreases the drag-out losses from chrome electrolytes remarkably and quickly forms a closed layer of foam over the surface inhibiting the spraying of chrome mists. It has no action in the chrome plating process. The continuous consumption is low and is mostly dependent on drag-out losses.

### NB

Wetting Agent Concentrate SLOTOCHROM CR 1271 is a wetting agent concentrate which must be diluted with water prior to use in chrome electrolytes as follows:

**9 parts of water with 1 part of Wetting Agent Concentrate SLOTOCHROM CR 1271 result in the Wetting Agent SLOTOCHROM CR 1270 to be dosed.**

0,1 - 0,2 ml/l of the Wetting Agent SLOTOCHROM CR 1270 (= **dilution 9:1**) is sufficient to form a foam layer on a 100 litre chrome electrolyte. The liquid is poured and well spread over the surface of the electrolyte. Thorough mixing occurs when the electrolyte is working.

Shortly after starting the plating process a dense foam layer forms, which inhibits spray formation from the electrolyte. A further addition of the wetting agent should be made if with a longer period of time the thickness of the foam layer decreases or the electrolyte solution doesn't flow well off the work pieces, then a new addition is required. Normally, approx. 0.05 ml/l of the Wetting Agent SLOTOCHROM CR 1270. It has to be taken into account that the chrome electrolyte itself must be operated according to the technical data sheet valid for the chrome type applied since the Wetting Agent SLOTOCHROM CR 1270 requires no deviation.

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](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.**

