

Process Description for Colour like Chromium (CLC process)

Dear customers,

Enclosed you received a detailed instruction on the manufacture of all components and trial process. Please note that you are working with chemicals and observe the instructions given from safety data sheets.

A disregard of these instructions will lead to health problems!!

Enter at work goggles and protective gloves. For working during the metallisation with chemical steam and aerosols please use a **breathing mask**.

1. Preparing the activator

Please take 115 gr. of the activator concentrate ready to use solution.

You give this solution into a 10 L plastic container and fill them with deionized water (conductivity less than 2 μ S). This solution requires at least **48 hours!** until it is ready for use.

Give the ready for use activator solution into the **activator pressure vessel C** of the machine

2. Preparing the silver ready for use solution

Take a 10 L plastic container and enter into it at least 6 litres of deionized water (conductivity less than 2 μ S!). Now give 1 litre of CLC 1 - solution in these containers. The solution should be mixed by shaking the container. Enter now 1 litre CLC 2 - solution mixed by shaking this addition. Now fill this container with 2 litres of deionized water (conductivity less than 2 μ S!) to 10 litres.

Give the ready to use silver solution into the **Silver pressure vessel A** of the machine

Security Note: Please adhere to these guidelines! If not properly mixed, it may come to form an explosive compound (silver fulminate)!!!!

3. Preparing the Reductor solution

Take a 10 litre plastic container and enter into it at least 6 litres of deionized water (conductivity less than 2 μ S!). Now give 1 litre of CLC 3 - solution in this container.

The solution should be mixed by shaking the container. Fill in this container 3 litres of deionized water (conductivity less than 2 μ S!) to 10 litres. This solution is now ready for use and can be given in the **Reductor pressure vessel B** of the machine.

Please use separate plastic containers for all solutions!!!!!!!