

# Application report light

## Concentration of SurTec® 650 [chromitAL®] in Distilled Water

### SIGRIST product

- ColorPlus 2 Bypass

### Industry

- Mechanical engineering and metal working industry, surface treatment

### Typical application

- The concentration of SurTec® 650 (chromitAL®) is measured in distilled water for process optimization.
- The concentration of SurTec 650 should be kept at a consistent level for economic and quality reasons.
- The measuring point is after a filter before the solution is sprayed.
- Measurement occurs at 600 nm (absorption)/760 nm (turbidity compensation)
- PVC flow cell 100 mm
- Ideal concentration 35 % (350 g/l)

### Use

- SurTec® 650 (chromitAL®) is dissolved in distilled water before it can be used. Areas of application are dipping, spraying and wiping processes. It serves as an adequate replacement of the prohibited chromium (VI) compounds in the surface treatment of e.g. aluminium. It is very well suited as primer for varnishes and adhesives.

### Additional information

SurTec 650® is a liquid concentrate on the basis of trivalent chromium. At room temperature it looks green, its pH is about 3.8.



**ColorPlus 2 Bypass**



[photometer.com/d671](http://photometer.com/d671)