

WESSO® CLARIS

**WATER
SYSTEM
CLEANER**



For **Offset-Print.**



ORGANIC SLIME FORMATION SOLUTION SYSTEMS

In offset print, the formation of organic slimes (biofilms) can emerge in the fountain solution system. This results in increased cleaning and maintenance work of the dampening units, pipes and tanks. Technical disturbances and unpleasant smells can occur; the health of printing staff is jeopardized.



pic. 1: Fountain solution tank without WESSO® CLARIS.



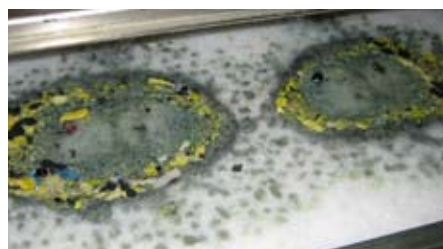
pic. 2: Fountain solution tank treated with WESSO® CLARIS.

THE PROBLEM: SLIMY FILMS

Sediments, consisting of organic slime, algae and print residuals continuously contaminate the dampening units.

This leads to:

- Increased cleaning and maintenance work
- Clouding and unpleasant smells of the fountain solution
- Negative impacts on the printing quality and reliability
- Hazards to the health of the printing staff



pic. 3 and 4: Print residues and biofilm.

SOLUTION: WESSO® CLARIS

WESSO® CLARIS removes and prevents organic slimes in fountain solution systems.

First, WESSO® CLARIS Forte is applied as a one-off treatment to clean the entire water circuit, pipes and tanks of all slimes and bacteria. Thus, the entire system is brought to a good level of cleanliness.

Subsequently, WESSO® CLARIS is used for the ongoing system maintenance.

WESSO® CLARIS can be dosed into the fountain solution during the ongoing printing process without affecting other additives:

- No recurrence of slime
- Remaining biofilms in the system disappear gradually
- Dampening units no longer clog
- The fountain solution becomes clear and odourless

Various semi and fully automated dosing systems are available for WESSO® CLARIS.

WESSO® CLARIS can be combined with any filter type, including micro- and ultra filtration.

Our experts are happy to support you in selecting the right systems.



ECONOMIC ADVANTAGES

- Reduces cleaning and maintenance effort
- Reduces disposal costs
- Prolongs the life time of the fountain solution
- Reduces the consumption of press room chemicals

GOOD FOR HUMANS AND THE ENVIRONMENT

- Advances workplace health and safety
- Protects the environments due to the use of ecological agents
- Removes micro-biological hazards due to the reduction of critical substances

APPLICATION AREAS

- Fountain solution in coldest, sheet feed offset and web offset
 - Printing plate development
 - Remoistening units in heat set
 - Air humidification units
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WESSO® CLARIS - testimonials by independent institutions:



BG Druck und Papierverarbeitung

„The results exceeded our expectations.“

Dr. med. Dr. med. habil. Mueller, Institut für Medizinische Hygiene, Universität Erlangen-Nürnberg



„...practically non toxic and biologically harmless.“