



HOW TO CLEAN PUMPPRINT
FROM ADHESIVES

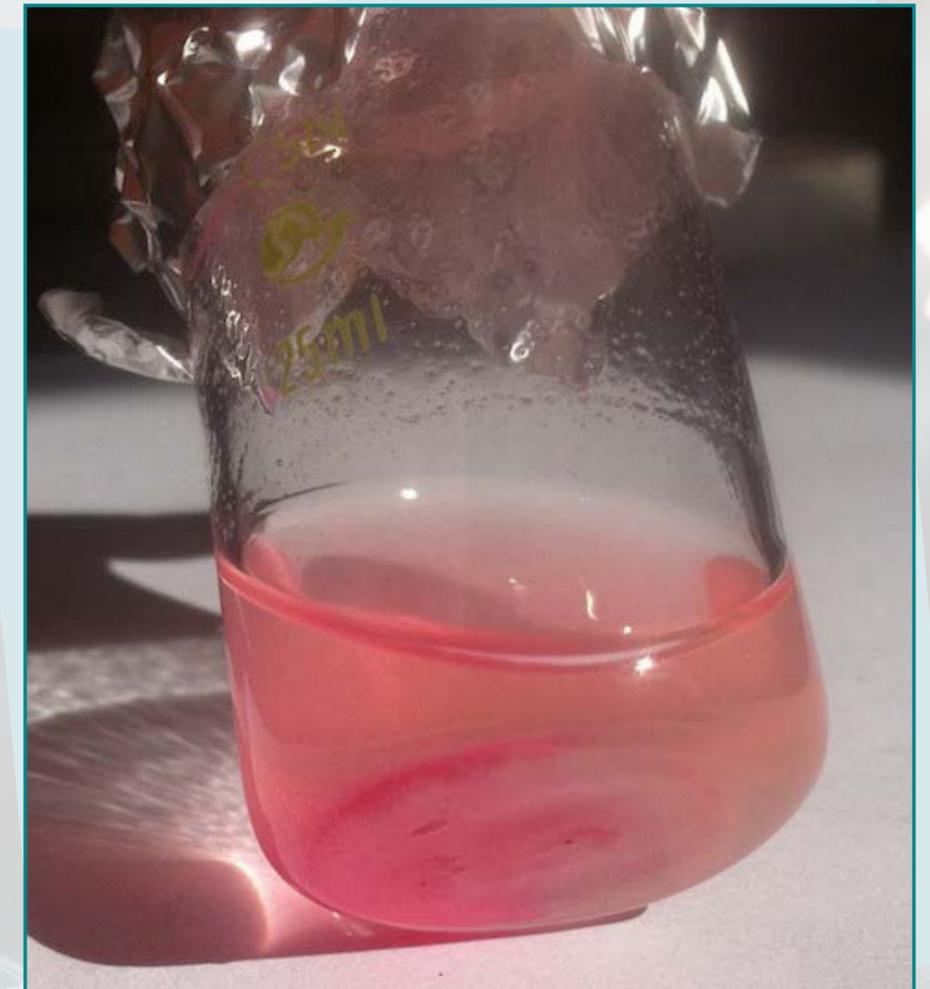
STENCIL + MISPRINT + SQUEEGEE



WHAT IS THE CUSTOMER'S STORY?

The customer used **water-based cleaning agent** from our competitor, which did not clean the pumpprints properly, so the **adhesive got cured** in the apertures (holes), which has caused **printing errors**. Moreover, the pumpprint got devalued after some time and the cleaning system got clogged because of the cured adhesive as well.

Adhesive Solubility Test





WHAT WAS TESTED?

We tested the cleaning of **uncured one-component epoxy adhesive** from pumpprints.

Type of Adhesive:

Three Bond 2217H

Components Before Cleaning





COMPLETE CLEANING SOLUTION BY DCT



[Technical data sheet](#)



[see our videoreport](#)

Alcohol-based cleaning agent
Proton[®] 69

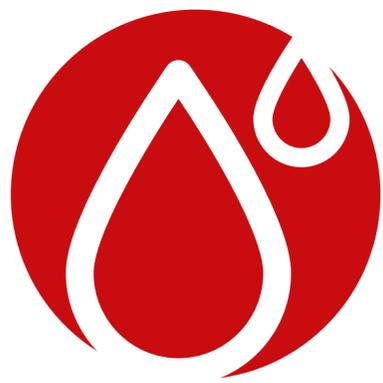


[Technical data sheet](#)



[see our videoreport](#)

Cleaning system **InJet[®] 388 CRD** with vertical high-pressure Spray-In-Air technology



RECOMMENDED CLEANING PROCESS

Cleaning system: **InJet® 388 CRD**

Technology:
vertical high pressure Spray-In-Air

Cleaning:
Proton® 69 / 10 min / 20°C

Rinsing: 10 min / 25°C

Drying: 15 min / 80°C



*We strongly recommend
RINSING, using Proton® 69,
Decotron® 239, or DI water.*

Components

BEFORE Cleaning



AFTER Cleaning

with Proton® 69



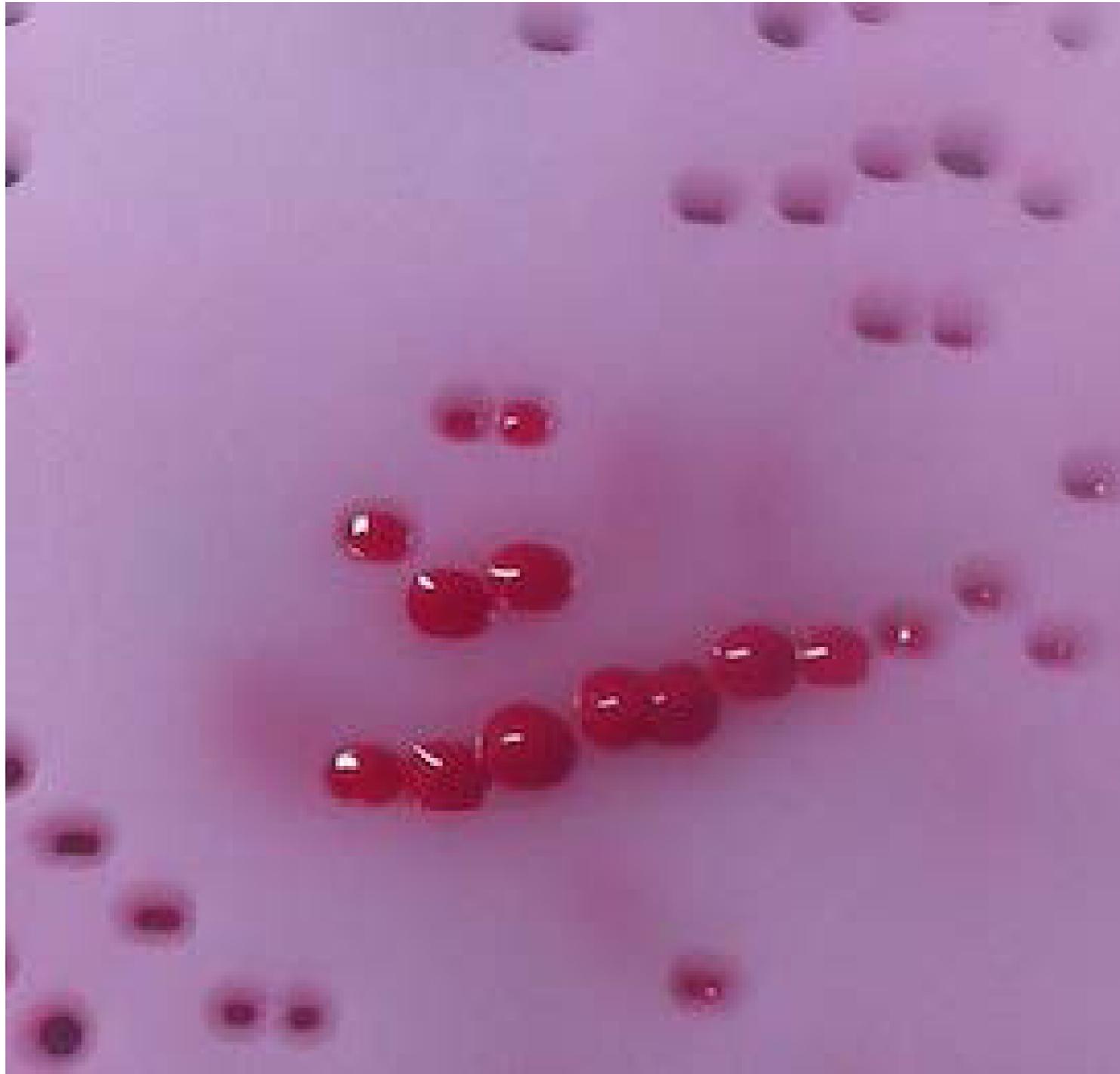
Components

BEFORE Cleaning



AFTER Cleaning

with Proton® 69





RECOMMENDED CLEANING AGENT



Technical data sheet



see our videoreport

- Determined to remove uncured and cured acrylic coatings.
- Removes coatings from coating frames, PCBs and components of coating machine parts.
- Efficiently clean uncured epoxy adhesives from stainless steel stencils and **plastic pumpprints**.
- **Excellent compatibility** with broad materials, **plastics, aluminium, inks and labels** used in electrotechnical industry.
- Spray-In-Air machines (InJet type) must be modified for the usage of all flammable agents for such as Proton[®] 69.



Proton[®] 69



Proton[®] 69 is a powerful cleaning fluid as it is alcohol-based, but it is also very **compatible** and sensitive **with plastic materials**.



RECOMMENDED CLEANING SYSTEM

InJet® 388 CRD

with vertical high pressure Spray-In-Air technology



[Technical data sheet](#)

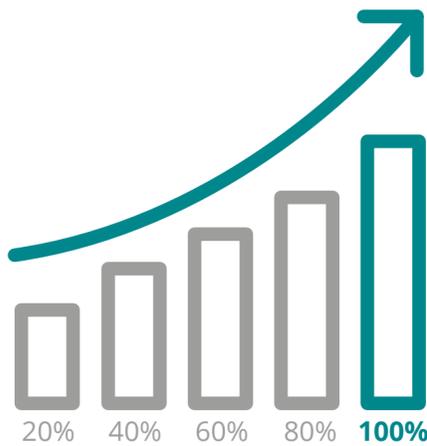


[see our videoreport](#)

- ★★★ **STENCIL, MISPRINT, SQUEEGEE** cleaning
- ★★★ **PUMPRINT** cleaning
- ★★★ **CONFORMAL COATING** removing
- ★★★ **PCB** cleaning



RESULTS OF TESTING



Success rate: 100%

The customer was pleased about **Proton® 69** and its results as the **adhesive dissolved completely** and in a very short time. The reason is quite simple, adhesives get cured in water, so water-based cleaning fluids are ineffective. **Proton® 69 is an alcohol-based** cleaning agent with high efficiency.

The second positive effect is that we **prolonged the life of the cleaning system**, especially of the nozzles and pumps, which are not polluted by cured adhesive anymore. The customer has been using ours cleaning chemistry since the testing.