



# 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<sup>®</sup> 69**



Technical data sheet



see our videoreport

Cleaning system **InJet<sup>®</sup> 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





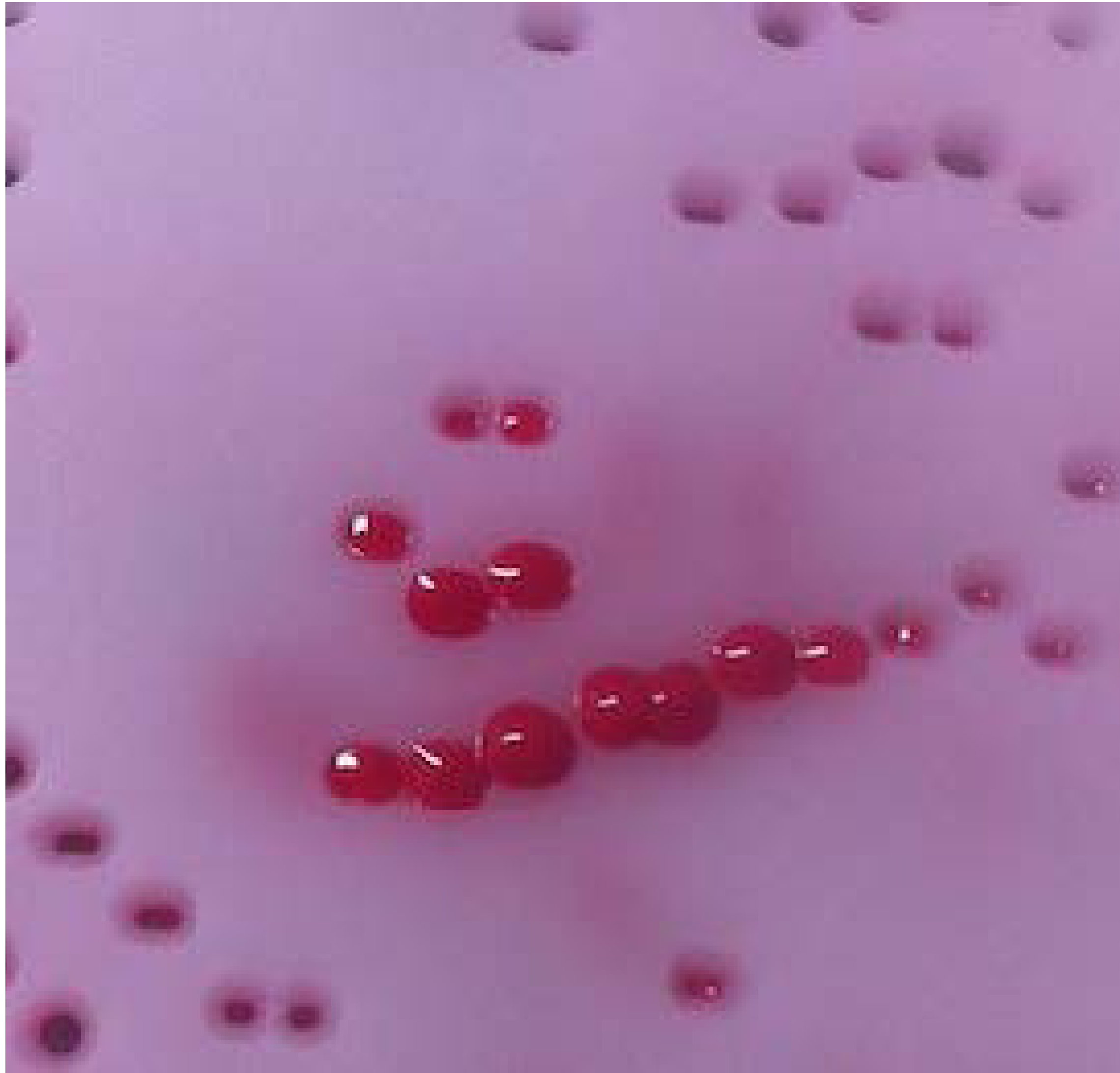
Components

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<sup>®</sup> 69.



**Proton<sup>®</sup> 69**



**Proton<sup>®</sup> 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

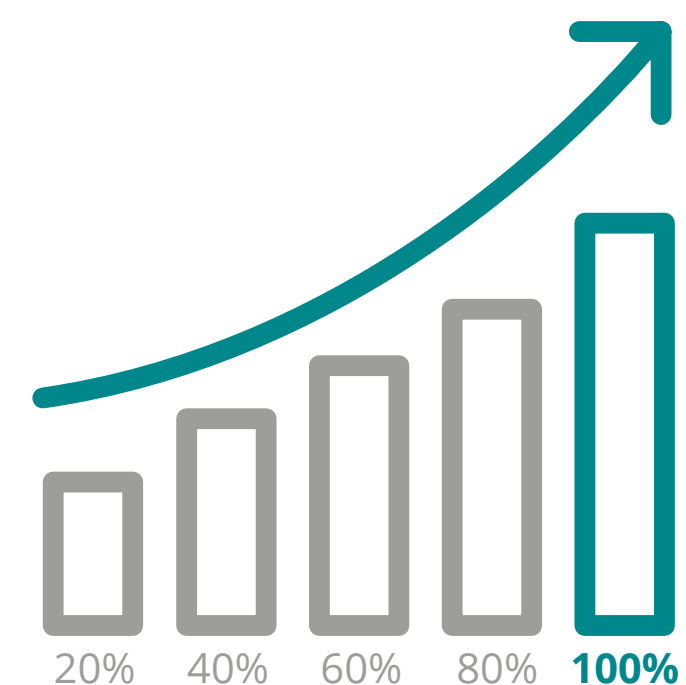


see our videoreport

- ★★★★ **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.