

# Paint Detackification

AluTACK Detackification Program



**ALUMICHEM**

# Paint detackification for automotive and industrial paint systems

Alumichem staff has over 20 years experience offering services and products for detackifying paint in industrial paint booth systems.

## About us

Removing organic solids in automotive and industrial paint systems along with other industrial or wastewater systems is the core business solution.

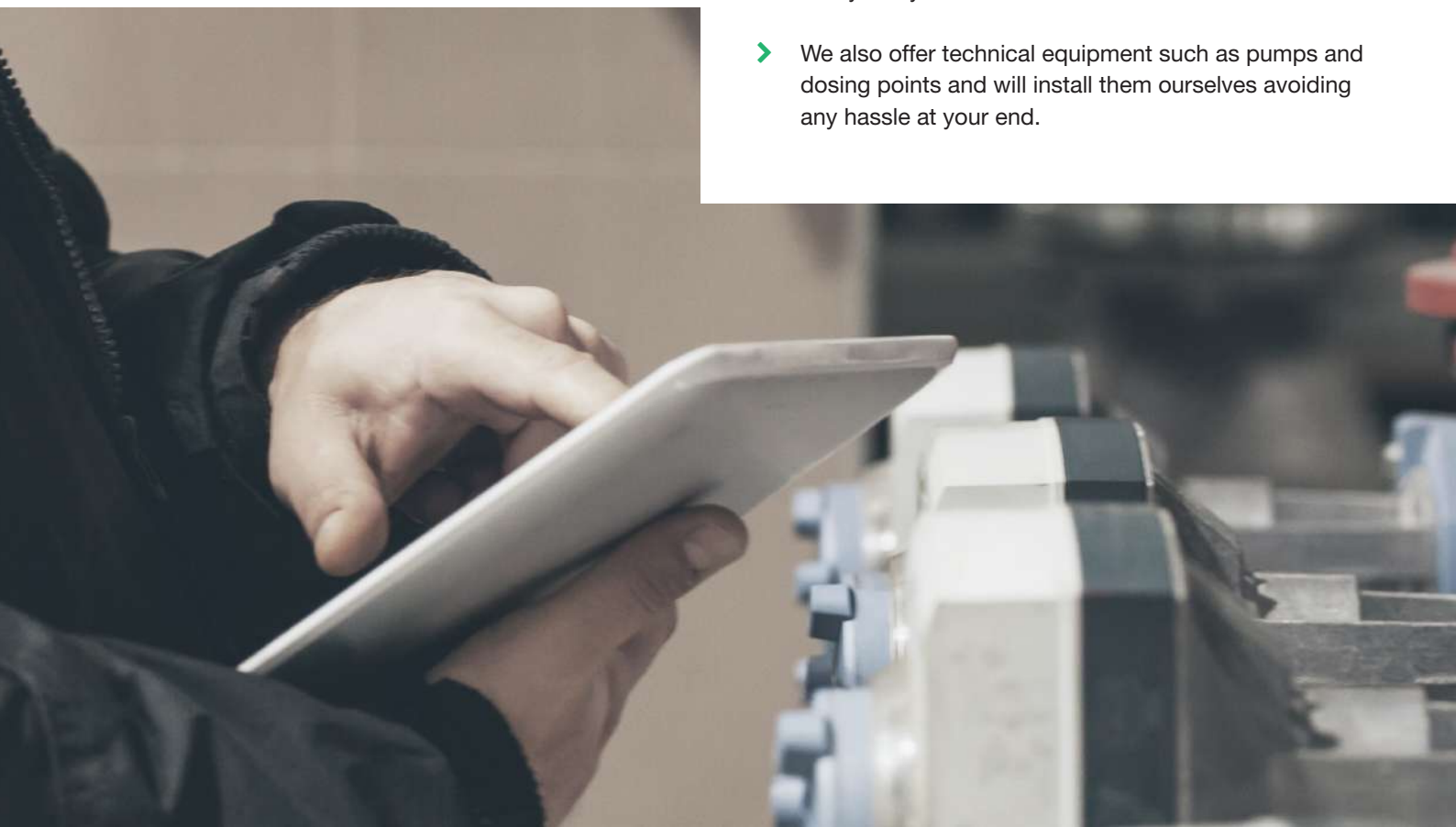
We also specialize in technical engineering solutions to increase the productivity and quality of any paint system or industrial process.

We have a passion for helping our customers ensuring secure and fast delivery of products with highest quality and service.

Our detackification experts will carefully analyse your paint formulation-basis and your paint booth design to recommend the most adapted combination of chemicals for an optimal detackification performance.

## Service

- We maximize performance of your installation and minimize risk by supporting you to achieve smooth operations.
- We work close together with our clients to capture, denature, flock and process solids.
- We increase the productivity and quality of any paint system or industrial process. Often that requires a combination of changes to the set-up of the system or dosing points and the right combination of chemicals.
- Our highly experienced and technically qualified project engineers are dedicated to your system. The same person will audit, install and service your installation.
- We service your installation more frequent than our competitors but above all our cost management program will ensure that improvements to the system always stay cost-effective.
- We also offer technical equipment such as pumps and dosing points and will install them ourselves avoiding any hassle at your end.



# Detackification product range

Alumichem offers our high-end AluTACK products with advanced chemicals side by side with our more traditional product range.

Alumichem's detackification product range includes:

Type	AluTACK	Traditional
Coagulant	NTB & NTB-50	Defloc LC
Flocculant	NTA-MP & NTA-HP	Adfloc 8C & Auto1
Defoamer	BAN100	Foamkill WB Plus
Cleaner	NET50	Adchlor
Absorber	VAC100	/
pH Enhancer	CPH	Defloc Plus

## AluTACK product range

The AluTACK range is the result of our innovative spirit and builds upon a long history of wastewater treatment within industrial and automotive paint systems.

### AluTACK NTB and NTB-50

AluTACK NTB is a coagulant blend based on Alumichem's superior Aluminum-derivative mixed with a natural and sustainable polymer and combined with some selected additives to enhance its performance as a denaturant. AluTACK NTB is the base fluid responsible for detackifying the paint and is melamine- and formaldehyde-free.

### AluTACK NTA-MP and NTA-HP

AluTACK NTA-MP and NTA-HP are our selected flocculants based on cationic aqueous polymers providing synergistic effects with AluTACK NTB and NTB-50. AluTACK NTA does not contain mineral oil nor solvents and contains reduced amounts of polyacrylamides. AluTACK NTA has the ability to be productive with ALL modern paints including hard to manage UV-based paints.

### AluTACK NET50

AluTACK NET50 is a mixture of active ingredients that suppress bacteria growth in aqueous solutions but is not hazardous as such. This way your staff does not require specific training nor do you need to have a specific storage location adapted for hazardous chemicals.

### AluTACK BAN100

AluTACK BAN100 is a very fast defoamer carefully selected to be used in paint detackification systems. Not only does it act very fast but even at a lower dose than traditional defoamers, AluTACK BAN100 is a vegetable oil-based defoamer and stay active for a longer time keeping foam under control. AluTACK BAN100 is silicone-free and is active in a large pH- and temperature-range.

### AluTACK CPH

AluTACK CPH is an Aluminum-based pH enhancer which allows to regulate pH to a more optimal range for the flocculant in the next step. The Aluminium-part of the molecule has a coagulant-function making this product a more adapted pH-regulator for detackification than standard pH adjustment solutions.

### AluTACK VAC100

AluTACK VAC100 is a silicate-based coagulant which supports the denaturation-effect of the paint in combination with AluTACK NTB. AluTACK VAC100 has been modified so that low dosing rates in combination with AluTACK NTB generates more stable floc's and larger particles which can be more easily captured in the flotation unit.



# Traditional product range

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Our more traditional products have proven their performance over time in many systems.

## **Defloc LC**

DEFLOC LC is a liquid denaturant for water treatment in paint booth systems using any type of paint system, including water-borne paints.

## **Adfloc 8C**

ADFLOC 8C is a liquid flocculant for usage in paint booth systems in combination with Defloc LC or AluTACK NTB or NTB-50.

Adfloc 8C is a powerful emulsion polymer system for the flotation of water-borne and solvent-based paint systems. Dispersion in water is necessary for correct dosing.

## **Adfloc Auto1**

ADFLOC AUTO 1 is a diluted, ready-to-use liquid flocculant.

## **Foamkill WB Plus**

Foamkill WB Plus is a mixture of polymeric alcohols which allows to control the foam generation in industrial paint systems. It is silicone-free.

## **Adchlor**

Adchlor is a biocide for aqueous systems on the basis of chlorite. It allows to keep the growth of bacteria, fungi and algae under control at an affordable cost.

## **Defloc Plus**

DEFLOC Plus is a liquid pH enhancer used in paint booth system to stabilize the pH of the process water on all types of paint systems.



# Customer case

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Complete chemical program for paint detackification improved performance and reduced total cost of operation for a major surface treatment company.

A major surface treatment company faced challenges related to the effectiveness of its wet-scrubber system in eliminating paint overspray solids. Upon conducting an on-site audit, our Alumichem technical specialists successfully identified the underlying issues. The client encountered significant problems, including compromised painting quality, increased downtime, maintenance requirements, and cleaning efforts.

Following a thorough chemical screening in our laboratory, Alumichem presented a comprehensive solution.

This solution involved upgrading the dosing system by incorporating individual chemical pumps for detackifiers, flocculant, defoamer, pH adjustment, and microbiology control in each paint booth. This enhancement allowed for precise chemical dosage based on specific requirements.

Moreover, Alumichem facilitated technical training for operators, implemented troubleshooting plans, provided ongoing technical support, and established continuous improvement strategies. These measures encompassed comprehensive documentation and control measurements to achieve performance and cost management objectives.

Our efforts at Alumichem resulted in significant enhancements to the mechanical, operational, and chemical aspects of the overspray removal system. The outcomes were far-reaching, including improved paint quality, enhanced removal efficiency, bolstered staff safety, upgraded training protocols, and streamlined maintenance procedures. Collectively, these advancements contributed to superior overall performance and a substantial reduction in the total cost of operation.

With our commitment to continuous improvement, Alumichem remains dedicated to collaborating with the client to preserve the value created and actively explore additional opportunities to enhance performance and efficiency.





**Please contact your local Alumichem partner for more information  
about our detackification solutions**

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