

deconex[®] MC

Plug & Play for tool and mould cleaning





A clean solution for your industry

Borer Chemie AG is a technologically world-leading company in the field of cleaning for professional applications in the industrial sector, laboratories and the pharmaceutical industry, as well as in hospital hygiene. Since 1965, we have been developing, producing and distributing recognised brand products and proven processes for demanding applications under the deconex® private label.

The Borer Industry division drafts processes and formulations for our customers' specific needs. Thanks to our experience, the extensive machine park at our Borer technical centre in Zuchwil and our close cooperation with users, we are constantly coming up with new ways of optimising existing cleaning processes and developing new ones.

And by so doing, we are able to create added value in your process chain too.

Clean, gentle and safe mould cleaning with the new deconex® MC cleaning range from Borer Chemie AG

Proven technology - new with safe chemistry

The residue-free cleaning of steel and aluminium moulds in plastics production is a particularly challenging and laborious task. For this reason, modern plastic injection moulding companies rely on the technology of ultrasound-assisted aqueous cleaning, especially when cleaning tool moulds.

Our response to this situation is an alkaline, ready-to-use cleaning concentrate for your ultrasound cleaning system.

With the deconex® MC (Mould Cleaning) cleaning agent line, Borer Chemie AG has developed a range of liquid cleaning concentrates which specifically features the advantages of aqueous solutions over powder-based products.



Contact us for comprehensive advice.
Our coating specialists will be pleased to help!

industry@borer.ch

deconex® MC

Liquid mould cleaner: pour in and go

The thorough, gentle and reproducible cleaning of injection moulding tools is a general challenge in the polymer industry. By using efficient and liquid cleaning agents, such as the products in the new deconex® MC line from Borer Chemie AG, it is possible to remove even extreme deposits gently.

Before



After



Basic process with areas of application for steel moulds

	Bath 1	Bath 2	Bath 3 (optional)
Step	Cleaning	Rinsing	Preservation
Product	deconex® MC forte (pH~13)	—	deconex® MC protect (pH~11)
Concentration	5 – 15%	—	0.2 - 1%
Temperature	60 – 80°C	15 – 50°C	15 – 75°C
Ultrasound	Yes	—	—
Time	5 – 20 min	2 – 5 min	3 – 10 min

The use of demineralised water is recommended.



25L canister deconex® MC forte
10L canister deconex® MC protect

deconex® MC cleaning agent line

An alkaline, ready-to-use cleaning concentration for your ultrasonic cleaning system

Basic process with areas of application for aluminium moulds

	Bath 1	Bath 2
Step	Cleaning	Rinsing
Product	deconex® MC alu (pH~12)	—
Concentration	5 – 15%	—
Temperature	50 – 75°C	15 – 50°C
Ultrasound	Yes	—
Time	5 – 20 min	3 – 10 min

The use of demineralised water is recommended.

Comprehensive solutions for individual needs

The service life of a mould depends greatly on the cleaning quality achieved, the preservation of dimensional accuracy and the reproducibility of the cleaning effect.

By using deconex® MC products, you can achieve consistent reproducibility of the cleaning results - especially with moulds that have complex geometries. At the same time, the dimensions of the mould surface remain preserved with maximum protection.



Residue-free



Safe



Eco-friendly



Cost-saving



How you, your customers and your employees benefit

Advantage of liquid concentrates over powder products:

- + no dissolving required at $> 50\text{ }^{\circ}\text{C}$
- + simple and safe handling
- + precise mixing ratio (more can be added)
- + easy preparation of the cleaner
- + no breathing protection mask required
- + no caustic vapours and / or dust emissions
- + no „baking-on“ of the powder to the base of the tank and therefore no third-party contamination from raw material in the cleaning agent
- + no poorly mixed powder products
- + consistent, complete cleaning of the injection moulds
- + can be used immediately after being added
- + biodegradable

Borer Chemie AG

The specialists in cleaning and disinfection

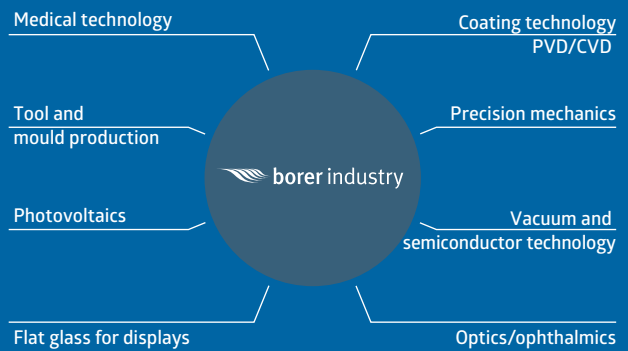
Competence and innovation – worldwide

We have been researching, developing and manufacturing products in Switzerland for demanding applications in the field of cleaning and disinfection since 1965. Our deconex® and decosept® branded products are used in the industrial sector, in hospital hygiene, in laboratories, in the pharmaceutical sector and in hand and surface disinfection. We distribute our products worldwide through a network of subsidiaries and distribution partners.



Clean solutions for all sectors of industry

Industrial manufacturing processes require customised cleaning processes adapted to their individual requirements. A goal-focused cleaning concept safeguards the quality of the final products. Borer Industry's process specialists work with customers to develop specific cleaning concepts for stable, regulations-compliant process management. Support with fine-tuning the implementation and monitoring processes round off our service.

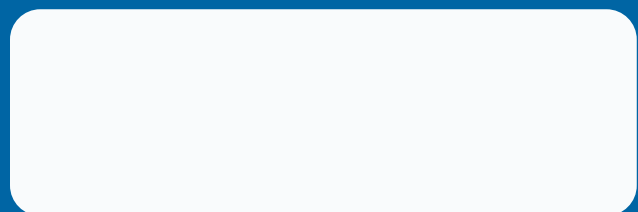


A unique service: the deconex® Test & Training Centre

In our in-house technical centre, our customers have the opportunity to test tailor-made potential system technology and chemistry for their cleaning, passivation or decoating processes. For this purpose, we have state-of-the-art machinery at our disposal as well as the expertise of our specialists.



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