

# deconex® MC — „Plug & Play“ for your tool and mould cleaning.





Clean, gentle and safe –  
mould cleaning with the new  
**deconex**<sup>®</sup> MC cleaning range  
from Borer Chemie AG.

#### 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<sup>®</sup> 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.

#### 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<sup>®</sup> 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.



Increase the protection and service life of your tool moulds.

Not only do you profit from this, but so too do your customers and your staff.



#### 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



# deconex<sup>®</sup> 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<sup>®</sup> MC line from Borer Chemie AG, it is possible to remove even extreme deposits gently.

Before



After



deconex<sup>®</sup> MC cleaning agent line —  
an alkaline, ready-to-use cleaning  
concentration for your  
ultrasound cleaning system.

25L canister deconex<sup>®</sup> MC forte  
10L canister deconex<sup>®</sup> MC protect

## Basic process with areas of application for steel moulds

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

The use of demineralised water is recommended.

## Basic process with areas of application for aluminium moulds

	Bath 1	Bath 2
Step	Cleaning	Rinsing
Product	deconex <sup>®</sup> MC alu (pH-13)	—
Concentration	5 - 15%	—
Temperature	50 - 75°C	Room temperature
Ultrasound	Yes	—
Time	5 - 20 min	3 min

The use of demineralised water is recommended.

The new liquid deconex® MC cleaning agent line consists of the following products:

---

**deconex® MC forte** Strongly alkaline cleaner for the cleaning and care of injection moulds made from steel

---

**deconex® MC alu** Alkaline cleaner for the cleaning and care of tool moulds made from steel and aluminium

---

**deconex® MC protect** Corrosion inhibitor for steel to preserve injection moulds

---

### Product summary and container sizes

Product	Container type	Contents	Article number
deconex® MC alu	Canister	10 kg	523605.00-K10W
	Canister	25 kg	523605.00-K25W
	Drum	220 kg	On request
deconex® MC forte	Canister	12 kg	512505.00-K10W
	Canister	30 kg	512505.00-K25W
	Drum	240kg	On request
deconex® MC protect	Canister	10 kg	524405.00-K10W
	Canister	25 kg	524405.00-K25W
	Drum	220 kg	On request

Other container sizes available on request

# deconex® MC – Mold Cleaning & Protection.



Borer Chemie AG  
Gewerbestrasse 13, 4528 Zuchwil / Switzerland  
www.borer.ch

