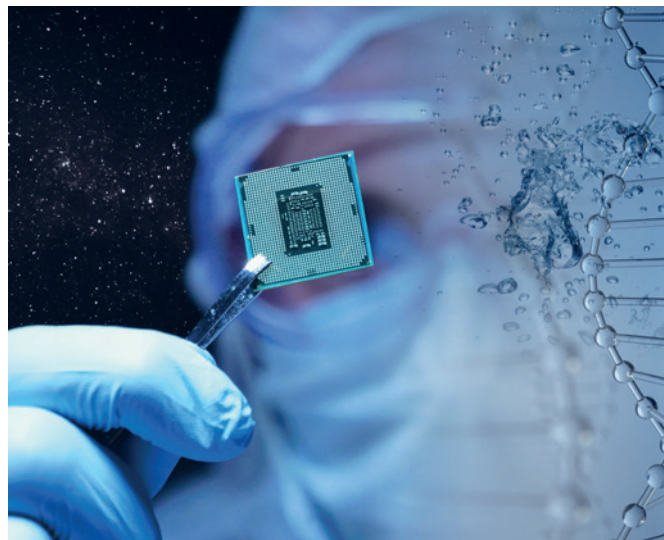


deconex® HPC 2602

Highly acidic cleaning concentrate for removing stains, oxide layers and annealing colours

Use for "reworking" cleaning levels
Suitable for immersion baths and ultrasonic equipment



deconex® HPC 2602 for reworking

deconex® HPC 2602 is a fluid, aqueous, highly acidic cleaning concentrate used where stains, oxide layers and discoloration result in rejects.

Treatment allows discrepancies on materials such as aluminium, steel and non-ferrous metals to be removed effortlessly. At the same time, the surface properties remain unchanged.

Application

deconex® HPC 2602 is suitable for the simple removal of a wide variety of surface discrepancies which lead to deviations and thus rejects in the vacuum industry, semiconductor manufacturing and space technology.

The application activates oxide layers and removes impurities and unwanted residues.

We recommend deconex® HPC 2602 especially in situations where:

- Chemically bonded and chemically unbonded residues on aluminium surfaces are evident
- Annealing colours occur after thermal treatment or a welding process
- Oxidations and discolourations in non-ferrous metals need to be evened out

Dosage

The optimum dosage depends mainly on the degree of oxidation and the substrate to be treated.

We recommend using deconex® HPC 2602 in the following concentration and according to the substrates:

	Process	Dosage	Temperature
Treatment of aluminium	Reworking	1.5% to 2.5%	50°C - 60°C
Treatment of steel	Reworking	5.0% to 10.0%	50°C - 60°C
Treatment of non-ferrous metals	Reworking	2.0% to 5.0%	50°C - 60°C

The concentration can vary depending on the soiling and the system technology. The process parameters (time and temperature) must be adjusted to the parts/materials to be treated.

The use of fully demineralised water is a basic requirement for reproducible quality.

The illustrations on page 3 show the potential generated by deconex® HPC 2602 in use.

deconex® HPC 2602 is a special cleaner for fully automatic, semi-automatic or manual cleaning, allowing it to be used in the following production systems:

- Immersion/flooding processes with/without ultrasonic
- Closed and open systems

Properties

deconex® HPC 2602 has the following particular characteristics:

- Liquid cleaner
- Water-based
- No colourants
- Residue-free rinsing
- Can be used in manual and automated processes
- For the treatment of aluminium, steel, non-ferrous metals

Subsequent cleaning with HPC cleaning products ensures that the surface is free of residues and thus achieves the desired specification (Grade 2 and Grade 1).

Ingredients

Inorganic acids, surfactants, corrosion inhibitors

deconex® HPC 2602

Process monitoring

Borer Chemie AG provides appropriate documentation for determining the concentration of the cleaning bath.

Chemical-physical data

pH value	1% in demineralised water	approx. 1.8
Density	Concentrate	1.30 g/mL
Appearance	Concentrate	clear, colourless

Instructions for use

Application takes place in an immersion/cleaning process with or without ultrasound. The process can be applied in the regular cleaning line or in an additional offline module. The products are then added to regular production.

For optimal process design, it is recommended that the workpieces/parts are not dried after the reworking process, but rather are to be kept wet. Direct further processing (cleaning) prevents the reappearance of stains.

After cleaning is complete, sufficient rinsing should be carried out with demineralised water.

You are welcome to contact us for further information regarding material compatibility.

Material

The following materials are suitable for treatment with deconex® HPC 2602:

- Aluminium
- Stainless steel
- Non-ferrous metals

For specific materials, Borer Chemie AG provides further information or tests customer-specific materials for compatibility with deconex® HPC 2602.

deconex® HPC 2602 is not suitable for materials that are not resistant to water.

Additional information

The containers, seals and labels are made from recyclable polyethylene.

For information concerning safety at work, storage and waste disposal/effluent, please consult the corresponding safety data sheet.

Benefit from our expertise! Please contact us for practical information regarding your specific application.

Request more information about this offer by e-mail from: industry@borer.ch

Availability

Please ask your local representative about available container sizes.

Manufacturer:

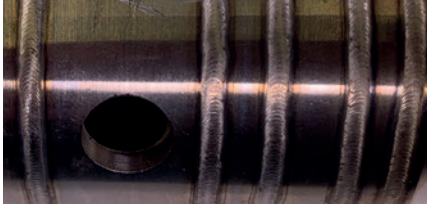
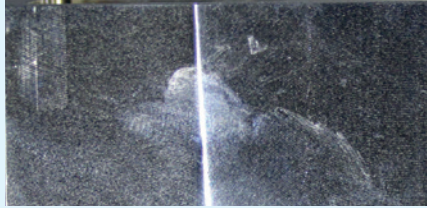


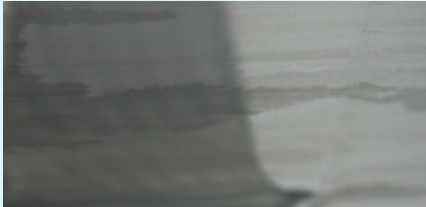


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All information provided is based on our knowledge as it currently stands, however it does not constitute any guarantee of product properties and does not form the basis of any legal relationship.

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Process examples

Material	Before treatment	After treatment
Steel		
Aluminium	 	 
Bronze		
Copper	