

# deconex® FPD 111

## Mildly alkaline brush and spray cleaner for cleaning sheet glass

For use in brush and spray modules of horizontal  
in-line cleaning systems



### Application

deconex FPD 111 is used for cleaning in the production of all types of flat panel displays, e.g.:

- TN liquid crystal displays
- STN liquid crystal displays
- TFT liquid crystal displays
- plasma display panels (PDP)
- vacuumfluorescence displays (VFD)
- electroluminescence displays (ELD)
- field emission displays (FED)
- organic light emitting diodes (OLED)

deconex FPD 111 is used in the brush pre-cleaning and final cleaning of uncoated (soda-lime, borosilicate, quartz) and coated substrates (e.g. ITO).

### Properties

deconex FPD 111 is a mildly alkaline, liquid brush cleaner with high buffer capacity to provide a long usable bath lifetime. Due to its composition, the product has a very mild cleaning action

### Dosage

The dosage used depends primarily on the degree of contamination, the cleaning temperature, the transport velocity in the brush module and the speed at which the brushes rotate.

In practice, the following dosage has given good results:

Dosage in in-line systems	Concentration	Temperature	Exposure time
Brush and spray modules	1-5%	45-60 °C	30-60 s

### Material compatibility

Suitable for:  
Soda-lime glass, borosilicate glass, quartz, stainless steel, polyethylene, polypropylene, polyvinylchloride, nylon

and removes both organic and inorganic residues. It can also easily be rinsed off. The special complexing and sequestering agents in the product effectively prevent redeposition of contaminants already removed such as residues of inter-leaf paper, suspended matter and metal ions.

The product exhibits excellent compatibility with the brush materials typically used; the mechanical properties of the brushes remain unchanged. This results in constant cleaning quality and reduces system downtime due to periodic maintenance of the brushes.

deconex FPD 111 is NTA-free designed.

### Ingredients

Alkalis, complexing agents, sequestering agents

For materials not mentioned please make your own specific compatibility tests or consult Borer Chemie AG.

# deconex<sup>®</sup> FPD 111

## Chemical/physical data

pH	1% solution in demineralized water	approx. 11.7
Density	concentrate	1.42 g/cm <sup>3</sup>
Appearance	concentrate	clear, slightly yellowish liquid

## Availability

Please ask your local representative about current container sizes.

Containers, screw caps and labels are made of recyclable polyethylene.

## Additional information

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

Take advantage of our vast know-how! Please, contact us for further information regarding your specific application.

### Manufacturer:

#### **Borer Chemie AG**

Gewerbestrasse 13, 4528 Zuchwil / Switzerland

Tel +41 32 686 56 00 Fax +41 32 686 56 90

office@borer.ch, www.borer.ch

All information provided is based on our current knowledge and it does not constitute a legally binding assurance of specific product properties.