

deconex® FPD 230

**Salt- and alkalifree ultrasonic cleaner
for especially mild cleaning of sheet
glass and silicon wafers**

For use in ultrasonic modules of cleaning systems



Application

deconex FPD 230 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 230 is used in the ultrasonic pre-cleaning and final cleaning of coated substrates (e.g. ITO), especially in the cleaning of finished liquid crystal displays (LCD) prior to bonding the polarizer.

Dosage

The dosage used depends primarily on the degree of contamination, the cleaning temperature, the ultrasonic power, the exposure time or the transport speed through the ultrasonic module (in-line cleaning systems).

In practice, the following dosage has given good results:

| | Concentration | Temperature | Exposure time |
|-------------------------------------|---------------|-------------|---------------|
| Dosage in ultrasonic systems | | | |
| Ultrasonic modules | 1.0-5.0% | 50-60 °C | 3-5 min |
| Dosage in in-line systems | | | |
| Ultrasonic modules | 1.0-5.0% | 45-60 °C | 30-60 s |

Properties

deconex FPD 230 is a salt- and alkali free, liquid ultrasonic cleaner. Due to its composition, the product has a very mild cleaning action and exhibits excellent rinsability. Special surfactants ensure optimum wetting of the substrate. The product is especially suitable for applications in which a salt-free cleaner is required.

Ingredients

Surfactants

deconex® FPD 230

Material compatibility

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

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

Chemical/physical data

| | | |
|------------|------------------------------------|----------------------------------|
| pH | 1% solution in demineralized water | approx. 7 |
| Density | concentrate | 1.02 g/cm ³ |
| 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.