



## CLEANER FLUX-EX 401 AND 402

High performance organic cleaning solutions

### DESCRIPTION

High performance organic cleaning solutions for removing dried solder paste in both automatic and manual wiping applications.

### CHARACTERISTICS

The cleaner Flux-Ex 401 and 402 offers the following advantages:

- fast evaporating
- zero Ozone Depletion Potential, chlorine free
- no oily residues
- low environmental impact
- high solvency for a wide range of pastes (rosin, no clean and water washable)

### APPLICATION

Stannol Flux-Ex401 & 402 were developed to remove solder paste residues from screens and stencils. This can be achieved either manually or with the use of an automatic stencil underside wiper. Stannol Flux-Ex402 has a reduced VOC content and increased performance for water washable pastes. Stannol Flux-Ex401 can also be used for manual cleaning of reworked circuit assemblies.

### APPLICATION COMPATIBILITY

	FLUX-EX 401	FLUX-EX 402
Screen/stencil cleaning equipment:	recommended	not suitable
Printer automatic wipe system:	suitable	recommended
Manual cleaning operation:	suitable	recommended
Rework:	recommended	not suitable

### TECHNICAL INFORMATION

Stannol Flux-Ex401 & 402 are based on user-friendly oxygenated organic chemistries. Each product has slightly different properties to suit a particular application.

## PHYSICAL PROPERTIES AND DATA

	FLUX-EX 401	FLUX-EX 402
<b>Relative density:</b>	0.896	0.945
<b>Flashpoint:</b>	40°C	47°C
<b>Evaporation (Butac = 100):</b>	46	n/a
<b>Appearance:</b>	clear and colourless	clear and colourless
<b>Odour:</b>	characteristic	mild
<b>Water solubility:</b>	miscible	miscible

These materials clean by dissolution of the organic media present in the paste and as such will dissolve a wide range of organic materials. It is therefore desirable that compatibility of the cleaner with all encountered materials should be checked prior to use. The following table gives compatibility guidance.

## COMPATIBILITY OF CLEANERS

	FLUX-EX 401 & 402		FLUX-EX 401 & 402
<b>P.U. squeegee:</b>	good compatibility	Polytetrafluoroethylene	good compatibility
<b>PTFE squeegee:</b>	good compatibility	Polycarbonate	good compatibility
<b>Epoxy adhesives:</b>	good compatibility*	Acrylonitrile butadiene styrene	good compatibility
<b>Fiducial epoxies:</b>	good compatibility	Polypropylene	good compatibility
<b>Natural rubber:</b>	good compatibility	Polyester (PET)	good compatibility
<b>Butyl rubber:</b>	good compatibility	Nylon	good compatibility
<b>Nitrile rubber:</b>	good compatibility	Polystyrene	do not use
<b>Silicone rubber:</b>	do not use	Polymethylmeth acrylate	do not use
<b>EPDM rubber:</b>	do not use	Polyethylene	good compatibility
<b>SBR rubber:</b>	good compatibility	PVC	do not use

Both cleaners will remove paint from surfaces.

## ENVIRONMENTAL DATA

All materials used in these products are low in environmental impact. They are biodegradable and unlikely to bioaccumulate.

## SHELF LIFE

2 years after date of delivery (provided proper storage in originally sealed container).

## HEALTH AND SAFETY

Before using please read the material safety data sheet carefully and observe the safety precautions described.

## NOTICE

The above values are typical and represent no form of specification. The Data Sheet serves for information purposes. Any verbal or written advise is not binding for the company, whether such information originates from the company offices or from a sales representative. This is also in respect of any protection rights of third parties, and does not release the customer from the responsibility of verifying the products of the company for suitability of use for the intended process or purpose. Should any liability on the part of the company arise, the company will only indemnify for loss or damage to the same extent as for defects in quality.