

Diffraktive Optik

- Linsen

- Fresnel Optik

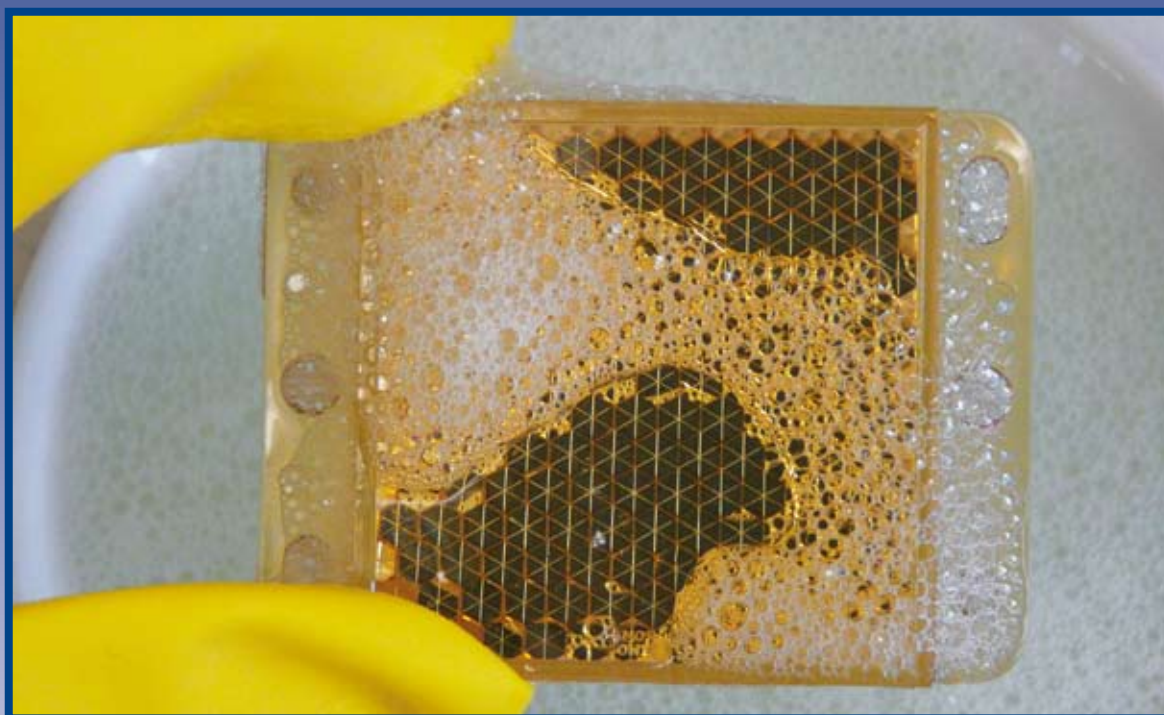
- Reflektoren

- Folien Optik

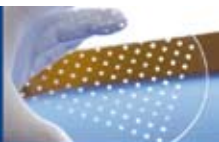
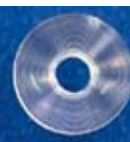
- Optik Sonderteile

Solidchem Reflectors

**The chemical-resistant IMOS reflectors tested
by ECOLAB in contact with cleaning agents**



**IMOS Solidchem reflectors for the chemical
industry, medicine and cleaning technique**



Optik Sonderteile

Folien Optik

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Excerpts from the ECOLAB stability test (01/04/08) on IMOS Solidchem Reflectors



Execution:

- Putting IMOS Solidchem reflectors in various cleaning solutions and cleaning concentrates
- Temperature: 20, 60 or 80°C
- Duration: 2 weeks
- After 2 weeks the reflectors were rinsed using deionized water and their state was assessed by optical as well as ponderal analysis.

Reference values (Air at ~20°C & deionized water at 80°C)

Product/Concentration	T [°C]	Mean (Start) [g]	Mean (2nd week) [g]	Change in weight [%]
Air	20	10.2347	10.2329	-0.02
Deionized water	80	10.2474	10.3051	0.56

Cleaning solution diluted to 4% at 60 / 80°C

Cleaner concentrate at ambient temperature

Product/Concentration	T [°C]	Suitability
P3-cosa CIP 72	60	+
P3-cosa CIP 77	80	+
P3-cosa CIP 90	80	+
P3-cosa CIP 92	80	+
P3-cosa CIP 95	80	+
P3-cosa PUR 80	80	+
P3-cosa PUR 83	80	+
P3-cosa PUR 84	80	+
P3-cosa PUR 85	80	+
P3-cosa PUR 88	80	+
P3-cosa FOAM 40	80	+
P3-cosa DES	60	+
P3-cosa FLUX 22	80	+
P3-cosa FLUX 33	80	+
P3-cosa FLUX 44	80	+
P3-cosa FLUX 55*	80	0

+ = suitable
0 = conditionally suitable
- = not suitable
* = contains nitric acid

Product/Concentration	T [°C]	Suitability
P3-cosa CIP 72	20	+
P3-cosa CIP 77	20	+
P3-cosa CIP 90	20	+
P3-cosa CIP 92	20	+
P3-cosa CIP 95	20	+
P3-cosa PUR 80	20	+
P3-cosa PUR 83	20	+
P3-cosa PUR 84	20	+
P3-cosa PUR 85	20	+
P3-cosa PUR 88	20	+
P3-cosa FOAM 40	20	+
P3-cosa DES	20	+
P3-cosa FLUX 22	20	+
P3-cosa FLUX 33	20	+
P3-cosa FLUX 44	20	+
P3-cosa FLUX 55*	20	0

+ = suitable
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