

Diffraktive Optik

- Linsen

- Fresnel Optik

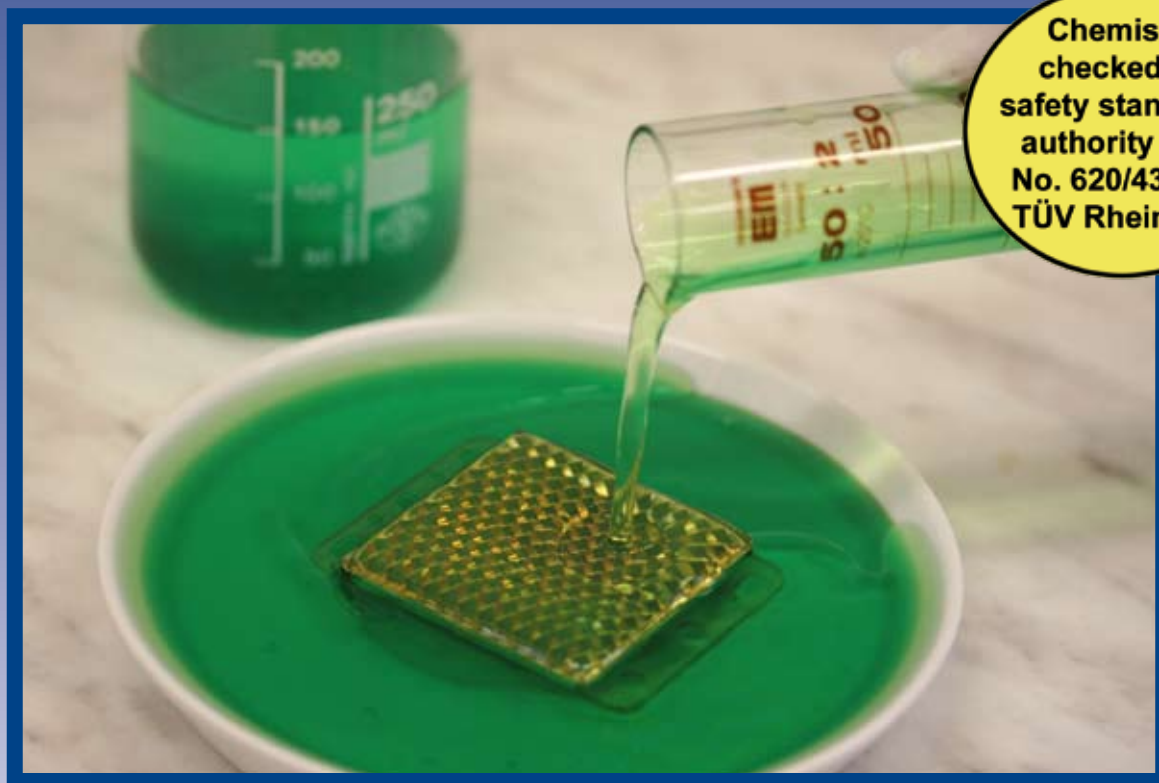
- Reflektoren

- Folien Optik

- Optik Sonderteile

# IMOS Solidchem

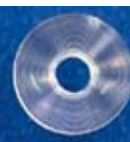
**Chemical-resistant IMOS reflectors for sensors used in chemistry, medicine and cleaning technology.**



Chemistry  
checked by  
safety standards  
authority TÜV  
No. 620/434628  
TÜV Rheinland

**Resistant to:**  
hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>), methanoic acid, trichloromethane,  
hydrochloric acid, sulphuric acid...

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# Solidchem chemical-resistant IMOS reflectors

Liquid tested	Class of substances/ elements	Assessment according to (consistency, colour)		
		1 day	7 days	14 days
Acetaldehyde	Aldehyde	0	0	0
Acetone	Ketone	1 (softening of the surface)	1 (softening of the surface)	1 (softening of the surface)
Methanoic acid	Organic acid	0	0	0
Benzene	Aromatic hydrocarbon	0	0	1 (clouding)
1.3 Butanediol	Polyalcohol	0	0	0
Butylamine	Amine	0	0	0
Chlorobenzene	Chlorides, aromatic hydrocarbons	0	0	0
Trichloromethane	Hydrocarbon	0	0	0
Chlorosulphuric acid	Acid chloride	0	0	0
Diesel fuel	Fuel	0	0	0
Diethyl	Ether	0	0	0
Dimethylformamide	Amide	0	0	0
Diethyl sulphate	Ester	0	0	0
Glacial acetic acid	Organic acid	0	0	1 (slight cracks)
Acetic acid	Organic acids	0	0	0
Ethanol	Alcohols	0	0	1 (slight colour change)
Ethylene glycol	Polyalcohol	0	0	0
Formaldehyde 37%	Aldehyde	0	0	0
Heating oil	Fuel	0	0	0
Isopropanol	Alcohol	0	0	0
Kerosene	Fuel	0	0	0
m-cresol	Phenol	0	0	0
Methanol	Alcohol	0	0	1 (clouding)
n-heptane	Hydrocarbon	0	0	0
Sodium hydroxide	Alkali	0	0	0
Hydrochloric acid	Inorganic acid	0	0	0
Sulphuric acid	Inorganic acid	0	0	0
1.1.2.2 Tetrachloroethane	Chlorinated hydrocarbon	0	0	0
Tetrachloromethane	Chlorinated hydrocarbon	0	0	0
Toluene	Aromatic hydrocarbon	0	0	0
Hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> ) 10%		0	0	0
Cleaning agent Medicine a)		0	0	0
Cleaning agent Food b)		0	0	0
0 = no change 1 = slight change (description necessary) 2 = significant change (description necessary)		a = Lysoformin 3000 (Ingredients: glyoxal, glutaral, didecyl dimethyl, ammonium chloride) b = Bio Tec Spüli (Ingredients: alkylbenzene sulphonate, alkyl benzene sulphate)		