

- Laquering of steel plates, alumine, plastic and casting
  - Screen- and tampon printing
  - Powdercoating
  - Galvanic methods
  - EMV / ESD-coating
- Manufacturing of customer specific foilkeyboards and frontfoils
  - Frontplates, cases, industrie plates
  - Individual and complete solutions
  - Express delivery service 5-10-15 working days

**CUSTOMER INFORMATION KDI00003****Stand: 28.04.2004****“Chemical Resistance of Decorfoils”**

Generally used frontfoils are made from polyesterfoils with biaxial direction. Therefore a better resistance to volatiles is given. It is stronger and more durable as other common uses foils for foilkeyboards and front plates e.g. Polycarbonate an PVC.

<b>Aldehyde:</b> Acetic aldehyd Formaldehyd	<b>Chlorid hydrogencarbonates:</b> Chloro fluoro carbons Perchlorethylene Trichlorethylene Diethylether Methylethylketone	<b>Caustic solution:</b> Ammonia <40% Caustic soda <40%	<b>Salt solution:</b> Alkali carbonates Bichromate Potassium hydroxide < 30% Acetonitrile Sodium bisulfate Prussiates of potashe Chlomatron < 20%
<b>Alcohol:</b> Aethanol Cyclohexano Triacetin Glycol Glycerin Isopropanol Methanol Diacetonalcokol	<b>Acids:</b> Acetic acids Phosphoric acid Muriatic acid Nitric acid Trichloracetic-acid Sulfuric acid	<b>Ester:</b> Ethyl acetate N-buthylacetate Amyl acetate	<b>Different substances :</b> Molecular chlorine Cresolphenol soap in solution Oxygene Trikresylphosphat Water < 100 ° C Hydrogen peroxide Diluted (white spirit)
<b>Hydrocarbonates:</b> Aliphatic hydrocarbonates Benzine Kerosene Benzole Toluene Xylene	<b>Further organic volatile substances:</b> Ether Acetone Diethylformamide Dioxan Ethyl Diocetyl Phthalat Dibutyl Phthalat Butylcellosolve	<b>Technical oils and fats:</b> Drilling emulsion Diesel oil Fuel oil Paraffin oil Silicone oil Turpentine oil replacement Brake fluid Decon	<b>Cleaning agent and detergents:</b> Potash soap Detergents Sodium carbonate

Concentration 100% (if nothing different is given)

It can come to diverse changes of structure of surface caused by other sundry substances. A test and its assessment has to be clarified.

**Resistance to household chemicals:** Impact time 24 hours at 50° C without visible damages Top Job, Jet Dry, Gumption, Fantastic, Formula 409, grape juice, milk, coffee, Ariel, Persil, Wisk, Lenor, Downey, Ajax, Vim, Domestos, Vortex, Windex0

**Following products have shown slight discolouring:** Mustard, tomato juice, ketch-up, lemon juice  
The foil is not resistant to concentrated mineral acid, concentrated caustic solution and.....about 100° C.

You can get a comparison between foilmaterial POLYESTER and POLYCARBONAT as well as technical datas of polyesterfoils in our customer information KDI00037 and KDI00046.

If you have any further questions – please contact us!

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## Surface technic

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## 6. Chemical resistance to disinfectants:

## Industrycomponents

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### Wipetest

In addition to the chemical stain test the wipe test will be carried out. The colourized surface or printing will be wiped with a cellulosic cloth soaked with benzine or ethanol under normal pressure in circular motion.

### For surfaces with application of disinfectants, media of the group:

- Alcohol content:	FREKANOL (40%) FREKADERM (80%) MELISEPTOL	undiluted undiluted undiluted
- Detergent content:	Teta-S Teta-clean	1% undiluted
- Aldehyde content:	Ultrasol F Incidin perfect	1% 1%

### For surfaces of cases, plates .....with application of media as above mentioned and disinfectants :

- Active chlorid content:	Sporotal 100 (4%) Bleach (NaOCl12%)	undiluted diluted 20:1
- Active oxygene content:	Puristeril 340 Acetic acid	undiluted diluted 10:1
- others:	Caustic soda (10%) Glycerin/water Citrosteril (24%)	diluted 10:1 diluted 1:1 diluted 10:1

You can find standard used sturcture laquer 70011.AZ in our customer information **KDI00048 "structure laquer 70011.AZ"**.

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