

Chemical resistance according to DIN 42115 for keyboards covered with glass and silicone

In a departure from DIN 42115, the reaction time was extended to a period of 24 h. The assessment took place directly after chemical residue was removed and was then repeated after 24 h.

	Substance	CAS-Number*	Glass	Silicone
Organic solvents	Acetone	67-64-1	Resistant	Resistant
	Ethanol	64-17-5	Resistant	Resistant
	Isopropanol	67-63-0	Resistant	Resistant with some restrictions
	Loesel 80 (90-100% hydrocarbons, naphta)	64742-49-0	Resistant	Non-resistant
	Methyl-ethyl-keton	78-93-3	Resistant	Resistant with some restrictions
	White spirit	N/A	Resistant	Non-resistant
Inorganic solvents	Cellulose thinner	N/A	Resistant	Non-resistant
	Screen cleaner	N/A	Resistant	Non-resistant
	Thinning agent	N/A	Resistant	Non-resistant
Acids	Acetic acid 5%	64-19-7	Resistant	Resistant
	Phosphoric acid 10%	7664-38-2	Resistant	Resistant
	Sulphuric acid 10%	7664-93-9	Resistant	Resistant
Other substances and mixtures	Ammonia	7664-41-7	Resistant	Resistant
	Vinegar-based cleaner (ingredients/100g: <5% anionic tensides)	N/A	Resistant	Resistant
	Potash	584-08-7	Resistant	Resistant
	Hydrogen peroxide 12%	7722-84-1	Resistant	Resistant
	Bleach**	N/A	Resistant	Resistant
	LABS test	White spirit : cellulose thinner : methyl-ethyl-ketone ***	N/A	Resistant

* Chemical Abstracts Service Registry Number, see www.cas.org

** We tested selected products

***Ratio 4:3:1

„Resistant“

No change after exposure to the chemical

„Resistant with some restrictions“

Slight, insignificant changes after exposure to the chemical without any impairment of functions

„Non-resistant“

A significant change after exposure to the chemical with or without impairment of functions