



Barrier Properties

Resistance to permeation by chemicals | Vasco®/Manufix® Powdered

The B. Braun examination and protective natural latex gloves Vasco® Powdered and Manufix® Powdered have been tested in accordance with EN 374-3 (Determination of resistance to permeation by chemicals) by independent accredited institutions.

TIME TO PERFORATION | PROTECTIVE INDEX acc. EN 374

Immediate: not recommended	> 10 min: level 1	> 120 min: level 4
1 – 10 min: splash guard only, change gloves after contact	> 30 min: level 2	> 240 min: level 5
	> 60 min: level 3	> 480 min: level 6

Chemical	CAS registry number	Protective Index	Time to perforation
Acetic acid 10%	64-19-7	level 6	> 480 min
Acetone	67-64-1	not recommended	immediate
Acetonitrile	75-05-8	not recommended	immediate
Acrylamide 40%	79-06-1	level 6	> 480 min
Chloroform	67-66-3	not recommended	immediate
Dichloromethane	75-09-2	not recommended	immediate
Diethylamine	109-89-7	not recommended	immediate
Diethyl ether	60-29-7	not recommended	immediate
Dimethyl sulfoxide	67-68-5	not recommended	immediate
Ethanol 20%	64-17-5	splash guard	1 – 10 min
Ethanol 40%/70%/80%/p.a.	64-17-5	not recommended	immediate
Ethidium bromide 1%	1239-45-8	not recommended	immediate
Ethyl acetate	141-78-6	not recommended	immediate
Formaldehyde 37%	50-00-0	splash guard	1 – 10 min
Gasoline	8032-32-4	not recommended	immediate
n-Heptane	142-82-5	not recommended	immediate
n-Hexane	110-54-3	not recommended	immediate
Hydrochloric acid 10%	7647-01-0	level 6	> 480 min
Hydrochloric acid 36%	7647-01-0	level 1	> 10 min
Isopropyl alcohol 40%/70%	67-63-0	splash guard	1 – 10 min
Isopropyl alcohol p.a.	67-63-0	not recommended	immediate



Chemical	CAS registry number	Protective Index	Time to perforation
Methanol p.a.	67-56-1	not recommended	immediate
Nitric acid 10%	7697-37-2	level 6	> 480 min
Nitric acid 50%	7697-37-2	splash guard	1 – 10 min
Phenol 10%	108-95-2	splash guard	1 – 10 min
Sodium hydroxide 30%/40%	1310-73-2	level 4	> 120 min
Toluene	108-88-3	not recommended	immediate
Trichloroethane	71-55-6	not recommended	immediate
Xylene	95-47-6	not recommended	immediate

Note: In general, it is recommended to change gloves after 1-2 hours of working. Damaged or swelling gloves must be replaced immediately. The product properties are directly dependant upon the conditions of use and purity of the chemicals. When working with substances harmful to the skin, the gloves should be checked in advance for any holes or tears. In special cases, double gloving (colored underglove as indicator glove and white overglove) may be appropriate. Tests and certificates can only be regarded as general information and cannot reflect all actual conditions. They do not release users from their responsibility to ensure before use that the gloves meet their current protection requirements. (All data refer to typical single values and may be subject to alterations.)