

EN374 CHEMICAL PERMEATION BREAKTHROUGH TIMES

	Chemical agent	Breakthrough Time (min)	Protection Index	CAS number	Test Lab	Standard
	1,1,1-trichloro-2-methyl-2-propyl alcohol in Peanut oil	> 480	6		Centexbel	EN374
	1-Methoxy-2-Propanol	14	1	107-98-2	Centexbel	EN374
	Acetonitrile 73% + Methyl Alcohol 25% + Ammonia 2%	1	0		Centexbel	EN374
	Acetic acid, glacial	7	0	64-19-7	Satra	EN374
	Acrylic acid	< 5	0	79-10-7	Centexbel	EN374
	Acrylamide, 40 %	> 480	6	79-06-1	Force Technology	EN374
	Allylchloride	< 5	0	107-05-1	Centexbel	EN374
	Ammonia, 25 %	29	1	1336-21-6	Centexbel	EN374
	Anioxyde™ 1000	> 480	6		Force Technology	EN374
	Benzyl alcohol	10	1	100-51-6	Centexbel	EN374
	Bromochloromethane	88	3	74-97-5	Centexbel	EN374
	Butyl alcohol	56	2	71-36-3	Centexbel	EN374
	Cacodylic acid, sodium salt hydrat buffer 0.1 M	> 480	6		Centexbel	
	Caffeine 1.6 %	> 480	6	58-08-2	Centexbel	EN374
	Carbon disulfide	< 5	0	75-15-0	Centexbel	EN374
	Chlorobutane	< 5	0	25154-42-1	Centexbel	EN374
	Chloroform	0	0	67-66-3	Centexbel	EN374

Permeation breakthrough times according to EN374-3:2003 (minutes)						
0	1	2	3	4	5	6
< 10	10-30	30-60	60-120	120-240	240-480	> 480
Not recommended	Splash protection		Medium protection		High protection	
Data given in the table above are based on results of laboratory tests performed on the palm area of the glove or are based on extrapolations from the results of laboratory tests. These tests were run using standard test methods that may not adequately replicate any specific conditions of end use. Because Ansell has no detailed knowledge or control over the conditions of end use, any of these data must be advisory only, and Ansell must decline any liability.						

	Chemical agent	Breakthrough Time (min)	Protection Index	CAS number	Test Lab	Standard
	Cidex™	> 480	6	111-30-8	Force Technology	EN374
	Cidex™ OPA	> 480	6	643-79-8	Force Technology	EN374
	Cyclohexane	> 480	6	110-82-7	Centexbel	EN374
	Cyclohexanone	< 5	0	108-94-1	Centexbel	EN374
	Dibromoethane	< 20 sec.	0	106-93-4	Centexbel	EN374
	Dibromomethane	< 5	0	74-95-3	Centexbel	EN374
	Dichloroethane	< 20 sec.	0		Centexbel	EN374
	Diesel	> 480	6	68334-30-5	Centexbel	EN374
	Diethylamine	1	0	109-89-7	Centexbel	EN374
	Diethyl ether	< 40 sec.	0	60-29-7	Centexbel	EN374
	Dimethylformamide	< 5	0	68-12-2	Centexbel	EN374
	Dimethyl sulfoxide	5	0	67-68-5	Centexbel	EN374
	Ditranol 0.7 % in liquid paraffin thin	1.6	0		Centexbel	
	Ethidiumbromide, saturated	> 480	6	1239-45-8	Centexbel	EN374
	Ethyl acetate	1	0	141-78-6	Centexbel	EN374
	Ethyl alcohol, 70 %	27	1	64-17-5	Centexbel	EN374
	Ethyl alcohol, 95 %	16	1	64-17-5	Centexbel	EN374
	Ethylacetate 86% + Methyl Alcohol 9% + Ammonia 5%	1	0	141-78-6	Centexbel	EN374
	Formaldehyde 4% in Phosphatebuffer	> 480	6	50-00-0	Centexbel	EN374
	Formaldehyde 24.5 %	> 480	6	50-00-0	Centexbel	EN374
	Formaldehyde, 35 %	> 480	6	50-00-0	Centexbel	EN374

Permeation breakthrough times according to EN374-3:2003 (minutes)						
0	1	2	3	4	5	6
< 10	10-30	30-60	60-120	120-240	240-480	> 480
Not recommended	Splash protection		Medium protection		High protection	

Data given in the table above are based on results of laboratory tests performed on the palm area of the glove or are based on extrapolations from the results of laboratory tests. These tests were run using standard test methods that may not adequately replicate any specific conditions of end use. Because Ansell has no detailed knowledge or control over the conditions of end use, any of these data must be advisory only, and Ansell must decline any liability.

	Chemical agent	Breakthrough Time (min)	Protection Index	CAS number	Test Lab	Standard
	Gasoline	84	3	8006-61-9	Centexbel	EN374
	Glutaraldehyde, 50 %	> 480	6	111-30-8	Centexbel	EN374
	Glutaric dialdehyde 2.5%, cacodylic acid, sodium salt	> 480	6		Centexbel	EN374
	Heptane	> 480	6	142-82-5	Centexbel	EN374
	Heptane 98% + 1-butyl alcohol 2%	9	0	142-82-5	Centexbel	EN374
	Heptane 98% + 3-methyl-1-butyl alcohol 2%	16	1	142-82-5	Centexbel	EN374
	Hexane	> 480	6	110-54-3	Centexbel	EN374
	Hydrochloric acid, 37 %	51	2	7647-01-0	Centexbel	EN374
	Hydrofluoric acid, 48 %	< 5	0	7664-39-3	Centexbel	EN374
	Hydrogen Bromide, 49%	> 480	6	10035-10-6	Centexbel	EN374
	Hydrogen peroxide, 30 %	41	2	7722-84-1	Centexbel	EN374
	Iso-octane	> 480	6	540-84-1	Centexbel	EN374
	Isopropyl Alcohol	117	3	67-63-0	Centexbel	EN374
	Isopropanol 70%	178	4	67-63-0	Centexbel	EN374
	Kerosene	> 480	6	64742-81-0	Centexbel	EN374
	Methanol	1	0	67-56-1	Centexbel	EN374
	Methyl-t-butyl Ether	14	1	1634-04-4	Centexbel	EN374
	Methyl ethyl ketone	< 5	0	78-93-3	Centexbel	EN374
	Methyl Isobutyl ketone	1	0	108-10-1	Centexbel	EN374

Permeation breakthrough times according to EN374-3:2003 (minutes)						
0	1	2	3	4	5	6
< 10	10-30	30-60	60-120	120-240	240-480	> 480
Not recommended	Splash protection		Medium protection		High protection	

Data given in the table above are based on results of laboratory tests performed on the palm area of the glove or are based on extrapolations from the results of laboratory tests. These tests were run using standard test methods that may not adequately replicate any specific conditions of end use. Because Ansell has no detailed knowledge or control over the conditions of end use, any of these data must be advisory only, and Ansell must decline any liability.

	Chemical agent	Breakthrough Time (min)	Protection Index	CAS number	Test Lab	Standard
	Methyl methacrylate	2	0	80-62-6	Force technology	EN374
	Methyl Sulfoxide 5% in Citratebuffer	> 480	6		Centexbel	EN374
	Methyl sulfoxide 20 % in RMP1640 culture 80 %	>480	6		Centexbel	
	Methylviolet 1 %	> 480	6	8004-87-3	Centexbel	EN374
	Nicotine	25	1	54-11-5	Force Technology	EN374
	Nitric acid, 50 %	9	0	7697-37-2	Centexbel	EN374
	Nitric acid, 70 %	< 5	0	7697-37-2	Centexbel	EN374
	Peracetic acid, 39 %	9	0	79-21-0	Force Technology	EN374
	Perchloroethylene	8	0	127-18-4	Centexbel	EN374
	Potassium Permanganate 5 %	120	4	7722-64-7	Centexbel	EN374
	Salicylic Acid 2 % in Peanut oil	> 480	6		Centexbel	EN374
	Sodium Hydroxide, 50 %	> 480	6	1310-73-2	Centexbel	EN374
	Sulphuric acid, 50 %	> 480	6	7664-93-9	Centexbel	EN374
	Sulphuric acid, conc.	1	0	7664-93-9	Centexbel	EN374
	Tetrahydrofuran	< 5	0	109-99-9	Centexbel	EN374
	Tetrahydrofuran/n-Heptan, ratio 60%-40%	< 5	0		Centexbel	EN374
	Toluene	1	0	108-88-3	Centexbel	EN374
	Triethylamine	155	4	121-44-8	Centexbel	EN374
	Undecane	> 480	6	1120-21-4	Centexbel	EN374
	White Spirit	285	5	64742-88-7	Centexbel	EN374
	Xylene	< 5	0	1330-20-7	Centexbel	EN374

Permeation breakthrough times according to EN374-3:2003 (minutes)						
0	1	2	3	4	5	6
< 10	10-30	30-60	60-120	120-240	240-480	> 480
Not recommended	Splash protection		Medium protection		High protection	

Data given in the table above are based on results of laboratory tests performed on the palm area of the glove or are based on extrapolations from the results of laboratory tests. These tests were run using standard test methods that may not adequately replicate any specific conditions of end use. Because Ansell has no detailed knowledge or control over the conditions of end use, any of these data must be advisory only, and Ansell must decline any liability.

EN374 CYTOSTATIC PERMEATION BREAKTHROUGH TIMES

	Chemotherapy drug and Concentration	Breakthrough Time (min)	Protection Index	Test Lab	Standard
	Busulfan, 6mg/ml (6,000ppm)	>240	5	ARDL	EN374
	Dacarbazine (DTIC), 10.0 mg/ml (10,000 ppm)	>240	5	ARDL	EN374
	Docetaxel, 10.0 mg/ml (10,000 ppm)	>240	5	ARDL	EN374
	Fludarabine, 25 mg/ml (25,000 ppm)	>240	5	ARDL	EN374
	Gemcitabine (Gemzar), 38 mg/ml (38,000 ppm)	>240	5	ARDL	EN374
	Idarubicin, 1 mg/ml (1,000 ppm)	>240	5	ARDL	EN374
	Ifosfamide, 50.0 mg/ml (50,000 ppm)	>240	5	ARDL	EN374
	Irinotecan, 20.0 mg/ml (20,000 ppm)	>240	5	ARDL	EN374
	Melphalan, 5 mg/ml (5,000 ppm)	>240	5	ARDL	EN374
	Oxaliplatin, 5 mg/ml (5,000 ppm)	>240	5	ARDL	EN374
	Vinblastine, 1 mg/ml (1,000 ppm)	>240	5	ARDL	EN374

Permeation breakthrough times according to EN374-3:2003 (minutes)						
0	1	2	3	4	5	6
< 10	10-30	30-60	60-120	120-240	240-480	> 480
Not recommended	Splash protection		Medium protection		High protection	

Data given in the table above are based on results of laboratory tests performed on the palm area of the glove or are based on extrapolations from the results of laboratory tests. These tests were run using standard test methods that may not adequately replicate any specific conditions of end use. Because Ansell has no detailed knowledge or control over the conditions of end use, any of these data must be advisory only, and Ansell must decline any liability.

	Chemotherapy drug and Concentration	Breakthrough Time (min)	Protection Index	Test Lab	Standard
	Bleomycin Sulfate 15.0 mg/mL (15 000 ppm)	>240	5	ARDL	EN374
	Carboplatin 10.0 mg/mL (10 000 ppm)	>240	5	ARDL	EN374
	Carmustine 3.3 mg/mL (3 300 ppm)	>240	5	ARDL	EN374
	Cisplatin 1.0 mg/mL (1 000 ppm)	>240	5	ARDL	EN374
	Cyclophosphamide 20.0 mg/mL (20 000 ppm)	>240	5	ARDL	EN374
	Cytarabine Hydrochloride 100.0 mg/mL (1 000 ppm)	>240	5	ARDL	EN374
	Doxorubicin Hydrochloride 2.0 mg/mL (2 000 ppm)	>240	5	ARDL	EN374
	Etoposide 20.0 mg/mL (20 000 ppm)	>240	5	ARDL	EN374
	Fluorouracil 50.0 mg/mL (50 000 ppm)	>240	5	ARDL	EN374
	Ifosfamide 50 mg/mL (50 000 ppm)	>240	5	ARDL	EN374
	Mechlorethamine Hydrochloride 1.0 mg/mL (1 000 ppm)	>240	5	ARDL	EN374
	Methotrexate 25.0 mg/mL (25 000 ppm)	>240	5	ARDL	EN374
	Mitomycin C 0.5 mg/mL (500 ppm)	>240	5	ARDL	EN374
	Mitoxantrone 100.0 mg/mL (100 000 ppm)	>240	5	ARDL	EN374
	Paclitaxel (Taxol) 6.0 mg/mL (6 000 ppm)	>240	5	ARDL	EN374
	Thio-Tepa 10 mg/mL (10 000 ppm)	>240	5	ARDL	EN374
	Vincristine Sulfate 50.0 mg/mL (50 000 ppm)	>240	5	ARDL	EN374
	Vinorelbine Tartrate 10 mg/mL (10 000 ppm)	>240	5	ARDL	EN374

Permeation breakthrough times according to EN374-3:2003 (minutes)						
0	1	2	3	4	5	6
< 10	10-30	30-60	60-120	120-240	240-480	> 480
Not recommended	Splash protection		Medium protection		High protection	

Data given in the table above are based on results of laboratory tests performed on the palm area of the glove or are based on extrapolations from the results of laboratory tests. These tests were run using standard test methods that may not adequately replicate any specific conditions of end use. Because Ansell has no detailed knowledge or control over the conditions of end use, any of these data must be advisory only, and Ansell must decline any liability.