Permeation breakthrough times according to EN374-3:2003 (minutes)

Barrier® 02-100

	Chemical agent	CAS Number	Breakthrough Time	Protection Index
	1-Chloro-3-dimethylaminopropane in toluene		> 480	6
	1,2-dichlorobenzene	95-50-1	> 480	6
	1,2-dichloroethane	107-06-2	> 480	6
	Acetic Acid, Glacial	64-19-7	158	4
	Acetone	67-64-1	> 480	6
	Acetonitrile	75-05-8	> 480	6
	Acetyl-ß-mercapto isobutyric acid	74431-52-0	> 480	6
	Acrylonitrile	107-13-1	> 480	6
	Ammonium Hydroxide, 25%	1336-21-6	27	1
	Benzene	71-43-2	> 480	6
	Benzine (FAM DIN 51635)		> 480	6
	Benzoylchloride	98-88-4	> 480	6
	Bioten Ultra IV		> 480	6
	Butyl Acetate	123-86-4	> 480	6
	Carbon disulfide	75-15-0	> 480	6
	Chloroform	67-66-3	17	1
	Coal tar	8007-45-2	> 480	6
	Cyclohexanone	108-94-1	> 480	6
	Diethylamine	109-89-7	> 480	6
	Diethylformamide	617-84-5	> 480	6

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.

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Permeation breakthrough times according to EN374-3:2003 (minutes)

Barrier® 02-100

	Chemical agent	CAS Number	Breakthrough Time	Protection Index
	Dimethylformamide	68-12-2	> 480	6
	Ethanol	64-17-5	> 480	6
	Ethyl Acetate	141-78-6	> 480	6
	Ethyl-3-aminocrotonate	626-34-6	> 480	6
	Formic acid, 98-100%	64-18-6	> 480	6
	Gasoline	8006-61-9	> 480	6
	Glutaraldehyde, 50%	111-30-8	> 480	6
	Heptane	142-82-5	> 480	6
	Hexane	110-54-3	> 480	6
	Hydrochloric Acid, conc.	7647-01-0	> 480	6
	Hydrofluoric Acid, 48%	7664-39-3	> 480	6
	Hydrogen Bromide, 49%	10035-10-6	> 480	6
	Hydrogen Fluoride 3.0, anhydrous	7664-39-3	170	4
	Isopropylamine	75-31-0	> 480	6
	Kerosene	64742-81-0	> 480	6
	Methanol	67-56-1	> 480	6
	Methyl ethyl ketone	78-93-3	> 480	6
	Methyl Isobutyl Ketone	108-10-1	> 480	6
	Methylenechloride	75-09-2	16	1
	Methylmethacrylate	80-62-6	> 480	6

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.

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Permeation breakthrough times according to EN374-3:2003 (minutes)

Barrier® 02-100

	Chemical agent	CAS Number	Breakthrough Time	Protection Index
	Nitric Acid, 65%	7697-37-2	> 480	6
	Nitrobenzene	98-95-3	> 480	6
	Peracetic acid, 39%	79-21-0	> 480	6
	Perchloroethylene	127-18-4	> 480	6
	Phenol 90%	108-95-2	> 480	6
	Propionitrile	107-12-0	> 480	6
	Pyridine	110-86-1	> 480	6
	Quinuclidone base in solution with toluene		> 480	6
	SkyKleen 1000		> 480	6
	Sodium Hydroxide, 50%	1310-73-2	> 480	6
	Styrene	100-42-5	> 480	6
	Sulphuric acid, 95%	7664-93-9	> 480	6
	Tetrahydrofuran	109-99-9	> 480	6
	Tetrahydrothiophene	110-01-0	> 480	6
	Toluene	108-88-3	> 480	6
	Trichloroethylene	79-01-6	> 480	6
	Triethylamine	121-44-8	> 480	6
	Xylene	1330-20-7	> 480	6
	Diethyl ether	60-29-7	> 480	6
	Hydrofluoric Acid, 60%	7664-39-3	> 480	6

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.

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Permeation breakthrough times and degradation data according to EN ISO 374:2016

AlphaTec® 02-100

	Chemical agent	CAS Number	Breakthrough Time (min)	Protection Index	Degradation (%)	Part
	Acetone	67-64-1	>480	6	11.4	Palm
	Acetonitrile	75-05-8	>480	6	2.2	Palm
	Carbon disulfide	75-15-0	>480	6	28.2	Palm
	Diethylamine	109-89-7	>480	6	3.2	Palm
	Ethyl Acetate	141-78-6	>480	6	14.4	Palm
	Hydrofluoric Acid, 40%	7664-39-3	>480	6	17	Palm
	Methanol	67-56-1	>480	6	-7.6	Palm
	Nitric Acid, 65%	7697-37-2	>480	6	4.7	Palm
	Tetrahydrofuran	109-99-9	>480	6	9.8	Palm
	Toluene	108-88-3	>480	6	18.1	Palm
	Acetone	67-64-1	>480	6	11.4	Cuff
	Acetonitrile	75-05-8	>480	6	2.2	Cuff
	Carbon disulfide	75-15-0	>480	6	28.2	Cuff
	Diethylamine	109-89-7	>480	6	3.2	Cuff
	Ethyl Acetate	141-78-6	>480	6	14.4	Cuff
	Hydrofluoric Acid, 40%	7664-39-3	>480	6	17	Cuff
	Methanol	67-56-1	>480	6	-7.6	Cuff
	Nitric Acid, 65%	7697-37-2	>480	6	4.7	Cuff
	Tetrahydrofuran	109-99-9	>480	6	9.8	Cuff
	Toluene	108-88-3	>480	6	18.1	Cuff

Permeation breakthrough times according to EN ISO 374:2016						
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 on the cuff area if relevant. 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.

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