

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

### TouchNTuff® 92-600

	Agent chimique	CAS Number	Temps de passage	Protection Index
	1-Methoxy-2-Propanol	107-98-2	14	1
	1,1,1-trichloro-2-methyl-2-propyl alcohol in Peanut oil		> 480	6
	Acetic Acid, Glacial	64-19-7	7	0
	Acetonitrile 73% + Methyl Alcohol 25% + Ammonia 2%		1	0
	Acrylamide, 40%	79-06-1	> 480	6
	Acrylic Acid	79-10-7	< 5	0
	Allylchloride	107-05-1	< 5	0
	Ammonium Hydroxide, 25%	1336-21-6	29	1
	Anioxyde™ 1000	79-21-0	> 480	6
	Benzyl Alcohol	100-51-6	10	1
	Bromochloromethane	74-97-5	88	3
	Butyl Alcohol	71-36-3	56	2
	Cacodylic acid Sodium salt buffer 0,1M		> 480	6
	Caffeine 1.6%	58-08-2	> 480	6
	Carbon disulfide	75-15-0	< 5	0
	Chlorobutane	25154-42-1	< 5	0
	Chloroform	67-66-3	0	0
	Cidex™	111-30-8	> 480	6
	Cidex™ OPA	643-79-8	> 480	6
	Cyclohexane	110-82-7	> 480	6

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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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	Cyclohexanone	108-94-1	< 5	0
	Dibromoethane	106-93-4	< 1	0
	Dibromomethane	74-95-3	< 5	0
	Diesel fuel	68334-30-5	> 480	6
	Diethyl ether	60-29-7	< 1	0
	Diethylamine	109-89-7	1	0
	Dimethyl Sulfoxide	67-68-5	5	0
	Dimethylformamide	68-12-2	< 5	0
	Ditranol 0,7% in liquid paraffin thin		1.6	0
	Ethanol, 70%	64-17-5	27	1
	Ethidium bromide in water (saturated, ± 5%)	1239-45-8	> 480	6
	Ethyl Acetate	141-78-6	1	0
	Ethyl acetate 86% + Methyl Alcohol 9% + Ammonia 5%		1	0
	Formaldehyde 4% in Phosphatebuffer	50-00-0	> 480	6
	Formaldehyde, 35%	50-00-0	> 480	6
	Gasoline	8006-61-9	84	3
	Glutaraldehyde, 50%	111-30-8	> 480	6
	Glutaric dialdehyde 2,5%, cacodylic acid, sodium salt		> 480	6
	Heptane 98% + 1-butyl alcohol 2%	142-82-5	9	0
	Heptane 98% + 3-methyl-1-butyl alcohol 2%	142-82-5	16	1

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

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	Agent chimique	CAS Number	Temps de passage	Protection Index
	Hexane	110-54-3	> 480	6
	Hydrochloric Acid, 37%	7647-01-0	51	2
	Hydrofluoric Acid, 48%	7664-39-3	< 5	0
	Hydrogen Bromide, 49%	10035-10-6	> 480	6
	Hydrogen Peroxide, 30%	7722-84-1	41	2
	Iso-Octane	540-84-1	> 480	6
	Isopropanol	67-63-0	117	3
	Kerosene	64742-81-0	> 480	6
	Methanol	67-56-1	1	0
	Methyl ethyl ketone	78-93-3	< 5	0
	Methyl Isobutyl Ketone	108-10-1	1	0
	Methyl Sulfoxide 5% in Citratebuffer		> 480	6
	Methylmethacrylate	80-62-6	2	0
	Methylviolet 1%	8004-87-3	> 480	6
	n-Undecane	1120-21-4	> 480	6
	Nicotine	54-11-5	25	1
	Nitric Acid, 70%	7697-37-2	< 5	0
	Peracetic acid, 39%	79-21-0	9	0
	Perchloroethylene	127-18-4	8	0
	Potassium permanganate 5%	7722-64-7	120	4

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	Agent chimique	CAS Number	Temps de passage	Protection Index
	Salicylic acid 2% in Peanut oil		> 480	6
	Sodium Hydroxide, 50%	1310-73-2	> 480	6
	Sulphuric acid, 50%	7664-93-9	> 480	6
	Sulphuric acid, 99-100%	7664-93-9	1	0
	Tetrahydrofuran	109-99-9	< 5	0
	Toluene	108-88-3	1	0
	Triethylamine	121-44-8	155	4
	Xylene	1330-20-7	< 5	0
	Ethanol, 95%	64-17-5	16	1
	Heptane	142-82-5	> 480	6
	Methyl sulfoxide 20% in RPMI 1640 culture 80%		> 480	6
	Methyl-t-butyl Ether	1634-04-4	14	1
	Nitric Acid, 50%	7697-37-2	9	0
	Tetrahydrofuran/n-Heptan, ratio:60%-40%		<5	0
	White Spirit	64742-88-7	285	5
	Dichloroethane		< 1	0
	Formaldehyde, 24.5%	50-00-0	> 480	6
	Isopropanol 70% (Ipasept)	67-63-0	178	4

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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.

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

## TouchNTuff® 92-600

	Agent chimique	CAS Number	Breakthrough Time (min)	Protection Index	Degradation (%)	Part
	Heptane	142-82-5	> 480	6	2.8	Palm
	Sodium Hydroxide, 40%	1310-73-2	> 480	6	-41.6	Palm
	Hydrogen Peroxide, 30 %	7722-84-1	33	2	34.3	Palm
	Formaldehyde 37%	50-00-0	> 480	6	0.9	Palm

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.						